S
312.09786
H2M
2004

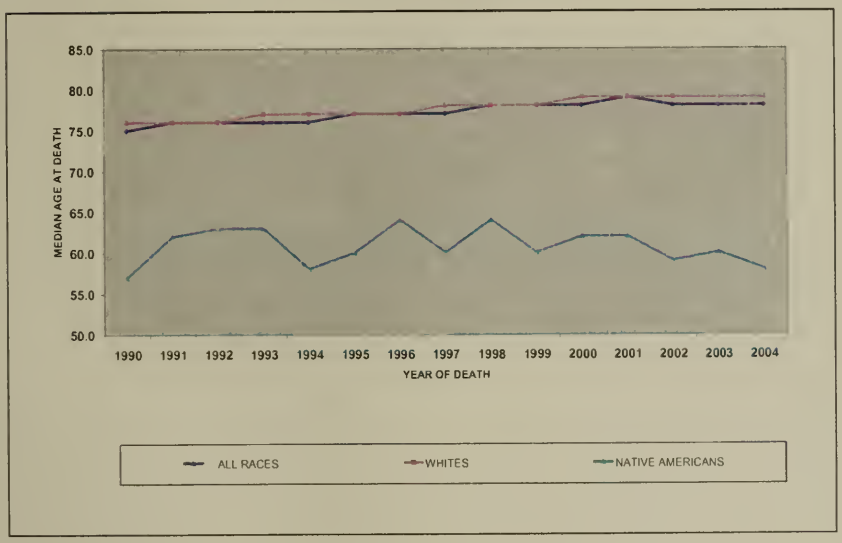
2004

MONTANA

VITAL STATISTICS

STATE DOCUMENTS COLLECTION
MAR 09 2006
MONTANA STATE LIBRARY
1515 E. 6th AVE.
HELENA, MONTANA 59620

MEDIAN AGE AT DEATH BY RACE AND YEAR OF DEATH
MONTANA RESIDENTS, 1990-2004



MONTANA
Department of Public Health & Human Services

Montana State Library
3 0864 1003 6511 6

OFFICE OF VITAL STATISTICS

"It is the mission of the Office of Vital Statistics to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law."

The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.

DEPARTMENT OF
PUBLIC HEALTH AND HUMAN SERVICES
OFFICE OF VITAL STATISTICS

BRIAN SCHWEITZER
GOVERNOR

JOAN MILES
DIRECTOR

STATE OF MONTANA

PHONE: (406) 444-2685
FAX: (406) 444-1803
www.dphhs.mt.gov

PO BOX 4210
111 N SANDERS, RM 209
HELENA, MONTANA 59604-4210

February 23, 2006

Dear Vital Statistics User,

Enclosed is your complimentary copy of the 2004 Montana Vital Statistics Report, prepared by the staff of the Office of Vital Statistics. The first half of the report consists of analysis of some of the more important public health matters that are recorded on vital records (live births, deaths, fetal deaths, induced abortions, marriages and divorces). This analysis is illustrated with tables and graphs summarizing vital events.

Reference tables make up the second half of the report. These tables represent final statistics on vital events either occurring in Montana (to Montana residents or non-residents) or occurring to Montana residents (in Montana or elsewhere) during calendar year 2004. Several of the tables show statistics by county of residence or occurrence. In addition to the 2004 statistics, a number show comparable statistics for several years. Note that the table "numbers" begin with a letter to indicate the type of record(s) tabulated. Those letters and the record types are listed below:

Letter	Contents of Reference Table
S	selected (mixed record type) statistics
P	population statistics
B	live birth statistics
D	death statistics
F	fetal death statistics
A	induced abortion statistics
M	marriage statistics
MT	marital termination (divorce) statistics
C	cancer incidence statistics
R	reportable (communicable) disease statistics

By the end of the year, the entire report will be available at our web site, http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml.

We invite you to send us any suggestions you may have about new tables you would like included in the next report. We cannot include every table suggested, but we try to make the report as useful as possible to as many people as possible. Please help us to keep our mailing list current by updating your name and/or mailing address on the envelope and returning this letter to the Office of Vital Statistics at the above address.

The Honorable Brian Schweitzer
Governor of Montana

Joan Miles
Director
Montana Department of Public Health and Human Services

February 2005

ACKNOWLEDGMENTS

This report was prepared by the Office of Vital Statistics, Operations and Technology Division, Department of Public Health and Human Services.

Special appreciation is extended to following staff members:

James Edgar, M.P.A., Vital Statistics Office Supervisor

and to

Bruce Schwartz, M.A., M.P.A.--Research Specialist, for management of report preparation and final edit,

also

Kathy Thompson, Data Acquisition Supervisor

David Fulgham, Ph.D.--Mortality Statistician

Debbi Lemons, R.H.I.A., C.T.R.--Central Tumor Registry Manager

Tom Fenton, Statistical Technician

TABLE OF CONTENTS

CONTENTS	PAGE
TABLE OF FIGURES	iv
INTRODUCTION—VITAL REGISTRATION AND DATA COLLECTION	1
TECHNICAL OVERVIEW	4
DATA SOURCES AND LIMITATIONS	4
DATA TABULATIONS AND PRESENTATION	7
DEFINITIONS	37
NATALITY	44
FERTILITY	44
LOW BIRTHWEIGHT	46
MOTHER'S AGE, RACE, AND MARITAL STATUS	47
METHOD OF DELIVERY	48
MORTALITY	49
FETAL, INFANT, AND MATERNAL DEATHS	52
AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES	53
AGE, SEX, AND RACE	70
YEARS OF POTENTIAL LIFE LOST	79
CANCER INCIDENCE AND PREVALENCE	84
CANCER INCIDENCE BY PRIMARY SITE	84
PROSTATE CANCER	85
BREAST CANCER	86
LUNG CANCER	88
COLORECTAL CANCER	89
INDUCED ABORTION	91
MARRIAGE	93
MARITAL TERMINATION	94
LIST OF REFERENCE TABLES	04-i
2004 VITAL STATISTICS REFERENCE TABLES	04-1

TABLE OF FIGURES

FIGURE	CONTENTS	PAGE
FIGURE 1	Classification Codes (ICD-9 and ICD-10) and Comparability Ratios for Selected Underlying Causes of Death	10
FIGURE 2	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 358 Selected Causes of Death	11
FIGURE 3	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 113 Selected Causes of Infant Death . .	23
FIGURE 4	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 130 Selected Causes of Death	27
FIGURE 5	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 124 Selected Causes of Fetal Death . .	32
FIGURE 6	Resident Birth Rates — Montana and the United States, 1970-2004	44
FIGURE 7	Fertility Rates for Mothers of All Races — Montana Teens and Mothers of All Ages, 1990-2004	45
FIGURE 8	Fertility Rates for White Mothers — Montana Teens and Mothers of All Ages, 1990-2004	45
FIGURE 9	Fertility Rates for Native American Mothers — Montana Teens and Mothers of All Ages, 1990-2004	46
FIGURE 10	Rate of Low Birthweight Births Montana Residents, 1980-2004	47
FIGURE 11	Percent of Births to Unmarried Mothers Montana and United States Residents, 1980-2004	47
FIGURE 12	Frequency and Percent Distribution of Live Births by Age of Mother and Method of Delivery Montana Occurrences, 1995-2004	48

FIGURE	CONTENTS	PAGE
FIGURE 13	Resident Crude Death Rates — Montana and the United States, 1970-2004	49
FIGURE 14	Age-Adjusted Death Rates — Montana and United States Residents, 1995-2004	50
FIGURE 15	Age at Death in Years by Sex and Race — Central Tendency and Dispersion, Montana Residents, 1995-2004	51
FIGURE 16	Five-Year Infant Mortality Rates and Fetal Mortality Ratios — Montana Residents, 1980-2004	52
FIGURE 17	Age-Adjusted Death Rates for All Causes of Death — Montana and U.S. Residents, 1995-2004	54
FIGURE 18	Age-Specific Death Rates for All Causes of Death — Montana Residents, 1995-2004	54
FIGURE 19	Age-Adjusted Death Rates for Heart Disease — Montana and U.S. Residents, 1995-2004	55
FIGURE 20	Age-Specific Death Rates for Heart Disease — Montana Residents, 1995-2004	55
FIGURE 21	Age-Adjusted Death Rates for Cancer — Montana and U.S. Residents, 1995-2004	56
FIGURE 22	Age-Specific Death Rates for Cancer — Montana Residents, 1995-2004	56
FIGURE 23	Age-Adjusted Death Rates for Cerebrovascular Disease — Montana and U.S. Residents, 1995-2004	57
FIGURE 24	Age-Specific Death Rates for Cerebrovascular Disease — Montana Residents, 1995-2004	57
FIGURE 25	Age-Adjusted Death Rates for Chronic Lower Respiratory Diseases — Montana and U.S. Residents, 1995-2004	58
FIGURE 26	Age-Specific Death Rates for Chronic Lower Respiratory Diseases — Montana Residents, 1995-2004	58

FIGURE	CONTENTS	PAGE
FIGURE 27	Age-Adjusted Death Rates for Accidents — Montana and U.S. Residents, 1995-2004	59
FIGURE 28	Age-Specific Death Rates for Accidents — Montana Residents, 1995-2004	59
FIGURE 29	Age-Adjusted Death Rates for Motor Vehicle Accidents — Montana and U.S. Residents, 1995-2004	60
FIGURE 30	Age-Specific Death Rates for Motor Vehicle Accidents — Montana Residents, 1995-2004	60
FIGURE 31	Age-Adjusted Death Rates for Non-Motor-Vehicle Accidents — Montana and U.S. Residents, 1995-2004	61
FIGURE 32	Age-Specific Death Rates for Non-Motor-Vehicle Accidents — Montana Residents, 1995-2004	61
FIGURE 33	Age-Adjusted Death Rates for Pneumonia and Influenza — Montana and U.S. Residents, 1995-2004	62
FIGURE 34	Age-Specific Death Rates for Pneumonia and Influenza — Montana Residents, 1995-2004	62
FIGURE 35	Age-Adjusted Death Rates for Diabetes — Montana and U.S. Residents, 1995-2004	63
FIGURE 36	Age-Specific Death Rates for Diabetes — Montana Residents, 1995-2004	63
FIGURE 37	Age-Adjusted Death Rates for Suicide — Montana and U.S. Residents, 1995-2004	64
FIGURE 38	Age-Specific Death Rates for Suicide — Montana Residents, 1995-2004	64
FIGURE 39	Age-Adjusted Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis — Montana and U.S. Residents, 1995-2004	65
FIGURE 40	Age-Specific Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis — Montana Residents, 1995-2004	65

FIGURE	CONTENTS	PAGE

FIGURE 41	Age-Adjusted Death Rates for Alzheimer's Disease — Montana and U.S. Residents, 1995-2004	66
FIGURE 42	Age-Specific Death Rates for Alzheimer's Disease — Montana Residents, 1995-2004	66
FIGURE 43	Age-Adjusted Death Rates for Chronic Liver Disease and Cirrhosis — Montana and U.S. Residents, 1995-2004	67
FIGURE 44	Age-Specific Death Rates for Chronic Liver Disease and Cirrhosis — Montana Residents, 1995-2004	67
FIGURE 45	Age-Adjusted Death Rates for Homicide and Legal Intervention — Montana and U.S. Residents, 1995-2004	68
FIGURE 46	Age-Specific Death Rates for Homicide and Legal Intervention — Montana Residents, 1995-2004 .	68
FIGURE 47	Frequency of Death By Selected Cause, Race, and Sex — Montana Residents, 2004	71
FIGURE 48	Frequency and Percent Distribution of Death By Race and Sex — Montana Residents, 1995-2004 . .	72
Figure 49	Leading Causes of Death by Age, Montana Residents, 2004	73-78
FIGURE 50	Frequency of Death By Cause of Death — Montana Residents, 2004	79
FIGURE 51	Total Years of Potential Life Lost Before Age 75 By Cause of Death — Montana Residents, 2004	80
FIGURE 52	Average Years of Potential Life Lost Before Age 75 By Cause of Death — Montana Residents, 2004	81
FIGURE 53	Age at Death and Years of Potential Life Lost Before Age 75 By Cause of Death — Central Tendency and Dispersion—Montana Residents, 2004	82
FIGURE 54	Diagnoses of Prostate Cancer — Montana Residents, 1995-2004	85

FIGURE	CONTENTS	PAGE
FIGURE 55	Five-Year Relative Survival by Stage at Diagnosis for Prostate Cancer — Montana and the United States, 1995-2004	86
FIGURE 56	Diagnoses of Breast Cancer — Montana Residents, 1995-2004	87
FIGURE 57	Five-Year Relative Survival by Stage at Diagnosis for Breast Cancer — Montana and the United States, 1995-2004	87
FIGURE 58	Diagnoses of Lung Cancer — Montana Residents, 1995-2004	88
FIGURE 59	Five-Year Relative Survival by Stage at Diagnosis for Lung Cancer — Montana and the United States, 1994-2004	89
FIGURE 60	Diagnoses of Colorectal Cancer — Montana Residents, 1995-2004	89
FIGURE 61	Five-Year Relative Survival by Stage at Diagnosis for Colorectal Cancer — Montana and the United States, 1995-2004 . . .	90
FIGURE 62	Ratio of Induced Abortions to Live Births — Montana Occurrences, 1976-2004	91
FIGURE 63	Marriage Rates - Montana and the United States, 1970-2004	93
FIGURE 64	Marital Termination Rates - Montana and the United States, 1970-2004	94

INTRODUCTION

This report was prepared by the Office of Vital Statistics (OVS) of the Montana Department of Public Health and Human Services (DPHHS). The following organizations also provided information: The Montana Central Tumor Registry (MCTR) of DPHHS, the Montana Communicable Disease Program, also of DPHHS, the Judicial Case Management System (JCMS) of the Montana District Court System, and the Census and Economic Information Center of the Montana Department of Commerce. The report provides a reference to some of the more frequently used Montana vital and health statistics. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. These reports, and several additional tabulations, are available on the Montana Vital Statistics website: http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml. More detailed tabulations and analyses are available on request, as time and other resources permit.

A general discussion of the findings, with descriptive figures, appears on pages 44 through 94. Vital statistics reference tables for 2004 appear on pages 04-1 through 04-85. Where space permits, data for one or more prior years are provided for comparison. A "List of Reference Tables"--starting on page 04-iii, approximately halfway through this publication--describes each of the reference tables by its contents and location. The naming scheme for these tables is described below.

Letter	Contents of Reference Table
S	selected (mixed record type) statistics
P	population statistics
B	live birth statistics
D	death statistics
F	fetal death statistics
A	induced abortion statistics
M	marriage statistics
MT	marital termination (divorce) statistics
C	cancer incidence statistics
R	reportable (communicable) disease statistics

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death and transcripts of information on marriage, and legally induced abortions. Any other source of data--such as those mentioned above--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Most births occurring in Montana are registered electronically, as are many of the deaths. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with DPHHS or the county's local registrar no later than ten days after the date the death is discovered. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight is unknown, when the period of gestation was determined to be 20 weeks or more.

Montana vital statistics law makes marriage and marital termination reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting to DPHHS within 30 days of the event.

Original certificates of birth, death, and fetal death, and reports of induced abortion, marriage, and some marital terminations, are forwarded to OVS. Birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Justice Case Management System (JCMS) and forwarded electronically to this office, OVS staff check all records and reports for accuracy and completeness and code them for data entry. Those data that are not received electronically are key-entered and maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-2003)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began and number of prenatal visits; medical risk factors of the mother during the pregnancy; tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; reported abnormalities and congenital anomalies of the newborn; whether the infant was transferred to another hospital.

MORTALITY (1989-2003)

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.

- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded. Tobacco use as a contributing cause and pregnancy at or near the time of death (2003 and forward only)

FETAL MORTALITY (1989-2003)

- Date, hour, and place of delivery.

- Age, race, ancestry, and education, of parents; place of residence and marital status of the mother.

- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.

- Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE (1993-2003)

- Date and place of license issuance; date and place of marriage.

- Age, race, education, birthplace, and residence of the bride and groom.

- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993-2003)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.

- Age, race, education, birthplace, and residence of wife and husband.

- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.

- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989-2003)

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.
- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes vital records and transcripts for calendar year 2003 received before July 15, 2004. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births, the place of residence of the child is the usual state and county of residence of the mother. Place of residence, when reported for fetal deaths, is that of the mother.

Residence data for births, deaths, and fetal deaths occurring out-of-state are available because of a cooperative, interstate transcript-exchange agreement. All states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data except those in **Table S-8** are by Montana occurrence. The resident abortion statistics in **Table S-8** are incomplete because only in-state occurrences to Montana residents are tabulated.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations. These tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:			Duration
Immediate cause	Due to	(a) *postoperative bronchial pneumonia*	*3 days*
	Due to	(b) *lobectomy*	*1 week*
Underlying cause	Due to	(c) *primary cancer of lung*	*1 year*

Part II. Other significant conditions
Hypertensive cardiovascular disease

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U. S. Bureau of the Census (Census Bureau). For intercensal years (all years not ending with 0"), the Census Bureau uses the Tax Return method (formerly, the Administrative Records Method) to arrive at population "estimates." This method includes the use of Vital (birth and death) Records. These estimates refer to the resident population on July 1st of the year indicated. Population data for census years are known as "enumerations," and refer to the resident population on April 15th of the year indicated. The Census Bureau arrives at enumerations without the use of Vital Records. Both estimates and enumerations are used to derive the population-based mortality and natality rates.

In recent years, OVS has relied on a special series of annual Census Bureau and/or NCHS population estimates stratified by age and sex to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OVS uses the latest available updates of these population estimates for such calculations.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it likely does not reflect the same definitions of racial groups from one record to the next.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in that table. Those for whom race is not reported are therefore included in the "Other" category in these reference tables, as are those classified as multi-racial. According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. More than 92% of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

In order to comply with federal guidelines, Montana death records now record multiple races for each decedent. (Similar changes are planned for certificates of live birth and fetal death in the future.) Informants providing information for Montana death records have, for many years, been asked to identify the race of the decedent, but in the past few chose to characterize decedents as bi- or multi-racial. Beginning in 2003, informants were asked whether the decedent belonged to one or more of 14 specific racial groups or any other unnamed race. Informants were encouraged to "check one or more races to indicate what the decedent considers himself or herself to be." They were also encouraged to identify any ethnic group or tribal affiliation that applied. This new format for collecting information has resulted in a notable increase in the number of decedents with more than one race reported. OVS examined each of the death records in 2003 for a decedent's affiliation with a known American Indian tribe and classified any record with such an affiliation as Native American (along with any other race identified). Records were then examined for the number of racial groups identified. Any records indicating more than a single race were classified as multi-racial. While the bi-racial or multi-racial category had never constituted more than seven hundredths of a percent of all decedents in any of the twenty preceding years, the multi-racial (two or more) category accounted for nearly nine and four tenths percent of the Montana residents who died in 2003.

For births and fetal deaths, the race of the infant or fetus is defined as the reported race of the mother. This uniformity in definition allows Montana statistics to be compared to U.S., regional, and national statistics.

MARITAL STATUS

Mother's marital status is designated "Married" on the birth record if the mother is shown on the birth certificate as married "at birth, conception or any time in between." "Unmarried" indicates that the mother was not married at any time during the pregnancy.

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with substantial populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with their relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

When the number of events is displayed, the occurrence of small numbers is obvious. When rates or percentages are based on small numbers of events, that fact may not be immediately apparent. Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. Meaningful conclusions cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so the reader can gage the reliability of these rates for themselves.

Similarly, percentages based on small totals can be misleading. For example, if there were ten births in a county and three of the new mothers were 18 or 19 years of age, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably of limited value for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in rates or percentages based on small numbers. An example is the five-year infant mortality rate shown in **Table D-8** or the five-year "rolling" rates displayed in **Figure 16**. However, the OVS has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to residents of other states. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences.

CAUSE OF DEATH AND CONVERSION TO ICD-10

Periodically, the system used for the classification of diseases and causes of death is revised. Beginning with mortality data for 1999, OVS is now reporting underlying cause of death information captured and categorized by ICD-10, the tenth and latest revision of this system for classification.

The discussion and tables in this report refer to the underlying cause-of-death, grouped into named diseases and conditions. These are groupings that the World Health Organization (WHO), NCHS, and most public health professionals use. In many cases, the ICD-10 and ICD-9 codes are listed in the table along with the condition or disease name; however, some tables show only the name.

Figure 1 shows how ICD-10 codes are grouped into cause-of-death conditions and diseases for many of the causes of death tabulated and discussed in this report, as well categories frequently reported as "leading" causes of death. Corresponding ICD-9 codes are shown, as well as preliminary "comparability ratios" computed by NCHS.

Each new version of the ICD code introduces new categories, titles, groupings of disease, and coding rules in an effort to keep pace with the needs of medical and public health research. However, each new version introduces problems with the comparability of mortality data classified with different versions of the code. Past revisions of ICD have revealed discontinuities in statistical trends that can be attributed to changes in coding and classification procedures alone.

NCHS attempts to quantify the effects of ICD revisions through double coding of death records (i.e. coding underlying cause of death on each record using both the old and new versions of ICD) and comparing the frequencies produced by the two coding schemes. For each category of interest, a ratio of the number of deaths classified in the latest version to that classified in the previous version is calculated. Such "comparability ratios" provide estimates of the change attributed to the revision alone and help distinguish "coding changes" from "real changes," (i.e. changes in the underlying forces of mortality in the population). The comparability ratios shown in **Figure 1** represent some preliminary results from a very large nonrandom sample of death records (more than 1.8 million) from 50 states and the District of Columbia, about 80 percent of all resident deaths occurring in the U.S. in 1996. These ratios are presented to indicate the approximate order of magnitude of expected changes in coding for underlying cause of death. They should not be expected to apply precisely to Montana's death experience in the current data year or that of any other particular geographic location at any other time.

For example, the comparability ratio for "nephritis, nephrotic syndrome, and nephrosis", 1.2320, indicates we might expect to see an increase of roughly one quarter in the number of deaths due to this cause solely because of the change from ICD-9 to ICD-10. The comparability ratio for pneumonia and influenza, 0.6982, indicates that the observed number of deaths due to that cause will probably be reduced by about 30% because of the coding change. The comparability ratio for Alzheimer's Disease of 1.5536 means we can expect approximately half again as many such classifications. Such effects must be taken into account when interpreting trends in mortality if one is to isolate the underlying forces of mortality that public health programs seek to affect.

Such changes in the frequencies of death for various causes are reflected in crude and age-adjusted rates of death for specific causes of death. For example, trends in the age-adjusted death rates for several causes of death shown in this report show marked discontinuities between rates collected before 1999 using ICD-9 and those collected during and after 1999 using ICD-10. (See the discussion and display of "Age-specific and age-adjusted death rates" in the Mortality section of the narrative.

Among other notable changes is the elimination of the ICD-9 category "chronic obstructive pulmonary diseases" (COPD), which has been replaced by the ICD-10 category "chronic lower respiratory diseases" (CLRD). The categories differ in that CLRD does not contain those causes of death in ICD-9 rubric 495. These causes include "extrinsic allergic alveolitis," i.e. allergic alveolitis and pneumonitis due to inhaled organic dust.

Also, ICD-10 removes "misadventures to patients in surgical or medical care" (ICD-9: 870 - 876), "surgical and medical procedures causing reaction," (ICD-9: 878 - 879), and "drugs causing adverse effects in therapeutic use " (ICD-9: 930 - 949) from the "accidents" category and places them in a new category called "complications of medical and surgical care."

The ICD-9 category "homicide and legal intervention," which was reportable as a leading cause of death, was replaced by "assault" which no longer contains "legal intervention" (ICD-9: 970 - 978) but still contains "homicide" (ICD-9: 960 - 969).

Figures 2, 3, 4, and 5 show ICD-10 code ranges for cause-of-death categories displayed in **Tables D-1, D-2, D-7, and F-1,** respectively. **Table D-1** lists up to 358 causes of death commonly listed by NCHS. **Table D-2** shows up to 113 causes of death commonly listed. Some of these 113 causes are used for ranking leading causes of death. Those categories preceded by a pound sign (#) are eligible for ranking as a leading cause of death. **Table D-7** lists up to 130 causes of infant death. Again, those categories preceded by a pound sign are eligible for ranking as a leading cause of death. **Table F-1** lists up to 124 causes of fetal death.

Figure 1

CLASSIFICATION CODES (ICD-10 AND ICD-9) AND COMPARABILITY RATIOS FOR SELECTED UNDERLYING CAUSES OF DEATH

Underlying Cause of Death	ICD-10 Code (s)	ICD-9 Code (s)	Comparability Ratio
Tuberculosis	A16 - A19	010 - 018, 137	0.8547
Septicemia	A40 - A41	038	1.1949
Human Immunodeficiency Virus (HIV) Infection	B20 - B24	042 - 044	1.0637
Malignant Neoplasms (Cancer)	C00 -C97	140 - 208	1.0068
Diabetes Mellitus (Diabetes)	E10 - E14	250	1.0082
Alzheimer's Disease	G30	331.0	1.5536
Diseases of Heart	I00 - I09, I11, I13, I20 - I51	390 - 398, 402, 404, 410 - 429	0.9858
Cerebrovascular Disease	I60 - I69	430 - 434, 436 - 438	1.0588
Atherosclerosis	I70	440	0.9637
Pneumonia and Influenza	J10 - J18	480 - 487	0.6982
Chronic Obstructive Pulmonary Diseases	N/A	490 - 496	N/A
Chronic Lower Respiratory Diseases	J40 - J47	490 - 494, 496	1.0478
Diseases of Appendix	K35 - K38	540 - 543	1.0347
Chronic Liver Disease and Cirrhosis	K70, K73 - K74	571	1.0367
Nephritis, Nephrotic Syndrome, and Nephrosis	N00 - N07, N17 – N19, N25 - N27	580 - 589	1.2320
Certain Conditions Originating in the Perinatal Period	P00 - P96	760 - 771.2, 771.4 - 779	1.0658
Congenital Malformations, Deformations, and Chromosomal Anomalies	Q00 - Q99	740 - 759	0.8470
Sudden Infant Death Syndrome (SIDS)	R95	798.0	1.0362
Accidents	V01 - X59, Y85 – Y86	E800 - E869, E880 - E929	1.0305
Motor Vehicle Accidents	V02 - V04, V09.0, V09.2, V12 - V14, V19.0 - V19.2, V19.4 - V19.6, V20 -V79, V80.3 - V80.5, V81.0 - V81.1, V82.0 - V82.1, V83 - V86, V87.0 - V87.8, V88.0 - V88.8, V89.0, V89.2	E810 - E825	0.8527
Non-Motor Vehicle Accidents	V01, V05 - V08, V09.1, V09.3 - V11, V15 - V18, V19.3, V19.7 - V19.9, V80.1 -V80.2, V80.6 - V80.9, V81.2 - V81.9, V82.2 - V82.9, V87.9, V88.9, V89.3 - X59.9, Y85 - Y86	E800 - E807, E826 -E929	1.1134
Intentional Self-Harm (Suicide)	X60 - X84, Y87.0	E950 - E959	0.9962
Assault (Homicide)	X85 - Y09, Y87.1	E960 - E969	0.9983
Complications of Medical and Surgical Care	Y40 - Y84, Y88	E870 - E879, E930 - E949	NA

NA Not available.
N/A The category, chronic obstructive pulmonary diseases, is not used in ICD-10 and is therefore not applicable.

Figure 2

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
1 Certain infectious and parasitic diseases	**A00-B99**
Intestinal infectious diseases	A00-A09
1 Cholera	A00
Other intestinal infectious diseases	A01-A08
2 Typhoid fever	A01.0
3 Paratyphoid fevers and other salmonella infections	A01.1-A01.4, A02
4 Shigellosis	A03
5 Other bacterial food-borne intoxications	A05
6 Amebiasis	A06
7 Intestinal infections due to other specified organisms	A04, A07-A08
8 Diarrhea and gastroenteritis of presumed infectious origin	A09
Tuberculosis	A16-A19
9 Respiratory tuberculosis	A16
10 Other tuberculosis	A17-A19
Zoonotic and other bacterial diseases	A20-A49
11 Plague	A20
12 Brucellosis	A23
13 Tetanus	A33-A35
14 Diphtheria	A36
15 Whooping cough	A37
16 Scarlet fever and erysipelas	A38, A46
17 Meningococcal infection	A39
18 Septicemia	A40-A41
19 Other zoonotic and bacterial diseases	A21-A22, A24-A32, A42-A44, A48-A49
Infections with a predominately sexual mode of transmission	A50-A64
Syphilis	A50-A53
20 Cardiovascular syphilis	A52.0
21 Neurosyphilis	A52.1-A52.3
22 Other and unspecified syphilis	A50-A51, A52.7-A52.9, A53
23 Gonococcal infection	A54
24 Other infections with a predominately sexual mode of transmission	A55-A64
Other infections caused by spirochetes, chlamydia or rickettsia	A65-A79
25 Lyme disease	A69.2
26 Typhus fever	A75
27 All other infections caused by spirochetes, chlamydia or rickettsia	A65-A68, A69.0-A69.1, A69.8-A69.9, A70-A74, A77-A79
Viral diseases	A80-B34
28 Acute poliomyelitis	A80
29 Rabies	A82
30 Arthropod-borne viral encephalitis	A83-A84, A85.2
31 Yellow fever	A95
32 Other and unspecified arthropod-borne viral and hemorrhagic fevers	A90-A94, A96-A99
33 Herpesviral (herpes simplex) infections	B00

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
34 Zoster (herpes zoster)	B02
35 Smallpox	B03
36 Measles	B05
37 Rubella (German measles)	B06
38 Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
39 Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	B20
40 Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	B21
41 Human immunodeficiency virus (HIV) disease resulting in other specified diseases	B22
42 Human immunodeficiency virus (HIV) disease resulting in other conditions	B23
43 Unspecified human immunodeficiency virus (HIV) disease	B24
44 All other and unspecified viral diseases	A81 ,A85.0-A85.1, A85.8, A86-A89, B01, B04, B07-B09, B25-B34
Other and unspecified infectious and parasitic diseases and their sequelae	B35-B99
45 Mycoses	B35-B49
Protozoal diseases	B50-B64
46 Malaria	B50-B54
47 Leishmaniasis	B55
48 Trypanosomiasis	B56-B57
49 Pneumocystosis	B59
50 Other and unspecified protozoal diseases	B58,B60-B64
Helminthiases	B65-B83
51 Schistosomiasis (bilharziasis)	B65
52 Other and unspecified helminthiases	B66-B83
53 Sequelae of tuberculosis	B90
54 Sequelae of poliomyelitis	B91
55 All other and unspecified infectious and parasitic diseases and their sequelae	B85-B89, B92-B99
II Neoplasms	**C00-D48**
Malignant neoplasms	C00-C97
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
56 Of lip	C00
57 Of tongue	C01-C02
58 Of pharynx	C10-C13, C14.0
59 Of other and unspecified sites within the lip, oral cavity and pharynx	C03-C09, C14.2-C14.8
Malignant neoplasms of digestive organs	C15-C26
60 Of esophagus	C15
61 Of stomach	C16
62 Of small intestine	C17
Of colon, rectum and anus	C18-C21
63 Colon	C18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
64 Rectosigmoid junction and rectum	C19-C20
65 Anus and anal canal	C21
Of liver and intrahepatic bile ducts	C22
66 Liver	C22.0, C22.2-C22.9
67 Intrahepatic bile duct carcinoma	C22.1
68 Of gallbladder and extrahepatic bile ducts	C23-C24
69 Of pancreas	C25
70 Of other and ill-defined digestive organs	C26
Malignant neoplasms of respiratory and intrathoracic organs	C30-C39
71 Of nasal cavity, middle ear and accessory sinuses	C30-C31
72 Of larynx	C32
73 Of trachea, bronchus and lung	C33-C34
74 Of thymus, heart, mediastinum and pleura	C37-C38
75 Of other and ill-defined sites in respiratory system and intrathoracic organs	C39
76 Malignant neoplasms of bone and articular cartilage	C40-C41
Melanoma and other malignant neoplasms of skin	C43-C44
77 Malignant melanoma of skin	C43
78 Other malignant neoplasms of skin	C44
Malignant neoplasms of mesothelial and soft tissue	C45-C49
79 Mesothelioma	C45
80 Kaposi's sarcoma	C46
81 Of other mesothelial and soft tissue	C47-C49
82 Malignant neoplasm of breast	C50
Malignant neoplasms of female genital organs	C51-C58
83 Of vulva and vagina	C51-C52
84 Of cervix uteri	C53
85 Of corpus uteri and uterus, part unspecified	C54-C55
86 Of ovary	C56
87 Of other and unspecified female genital organs	C57
88 Of placenta	C58
Malignant neoplasms of male genital organs	C60-C63
89 Of prostate	C61
90 Of testis	C62
91 Of penis and other and unspecified male genital organs	C60, C63
Malignant neoplasms of urinary tract	C64-C68
92 Of kidney and renal pelvis	C64-C65
93 Of bladder	C67
94 Of other and unspecified sites within the urinary tract	C66, C68
95 Malignant neoplasm of eye and adnexa	C69

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
96 Of brain	C71
97 Of other parts of central nervous system	C70, C72
98 Malignant neoplasms of thyroid and other endocrine glands	C73-C75
99 Other malignant neoplasms of other and unspecified sites	C76-C80, C97
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
100 Hodgkin's disease	C81
Of other lymphoid, hematopoietic and related tissue	C82-C85, C96
101 Non-Hodgkin's lymphoma	C82-C85
102 Of other and unspecified lymphoid, hematopoietic and related tissue	C96
103 Malignant immunoproliferative diseases	C88
104 Multiple myeloma and malignant plasma cell neoplasms	C90
Leukemia	C91-C95
105 Lymphoid leukemia	C91
106 Myeloid leukemia	C92
107 Monocytic leukemia	C93
108 Other and unspecified leukemia	C94-C95
In situ neoplasms	D00-D09
109 Carcinoma in situ of breast and genitourinary system	D05-D07
110 Carcinoma in situ of other and unspecified sites	D00-D04, D09
Benign neoplasms	D10-D36
111 Of female genital organs	D25-D28
112 Of eye, brain and other parts of central nervous system	D31-D33
113 Of other and unspecified sites	D10-D24, D29-D30, D34-D36
114 Neoplasms of uncertain or unknown behavior of specified sites	D37-D47
115 Neoplasm of uncertain or unknown behavior of unspecified sites	D48
III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	**D50-D89**
Anemias	D50-D64
116 Nutritional anemias	D50-D53
117 Hemolytic anemias	D55-D59
118 Aplastic anemias	D60-D61
119 Acute posthemorrhagic and other anemias	D62, D64
120 Coagulation defects, purpura and other hemorrhagic conditions	D65-D69
121 Other diseases of blood and blood-forming organs	D70-D76
122 Certain disorders involving the immune mechanism	D80-D89
IV Endocrine, nutritional and metabolic diseases	**E00-E88**
Endocrine diseases	E00-E34
123 Disorders of thyroid gland	E00-E07
124 Diabetes mellitus	E10-E14
125 Disorders of pituitary gland	E22-E23
126 Disorders of adrenal glands	E24-E27
127 Diseases of thymus	E32
128 Other endocrine diseases	E15-E21, E28-E31, E34

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Nutritional diseases	E40-E68
Malnutrition	E40-E46
129 Nutritional marasmus	E41
130 Other and unspecified malnutrition	E40, E42-E46
131 Other nutritional deficiencies	E50-E64
132 Obesity and other hyperalimentation	E65-E68
Metabolic disorders	E70-E88
133 Cystic fibrosis	E84
134 Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
135 Other metabolic disorders	E70-E83, E85, E88
V Mental and behavioral disorders	**F01-F99**
136 Organic dementia	F01, F03
137 Other and unspecified organic mental disorders	F04-F09
Mental and behavioral disorders due to psychoactive substance use	F10-F19
138 Mental and behavioral disorders due to use of alcohol	F10
139 Mental and behavioral disorders due to other psychoactive substance use	F11-F19
140 Schizophrenia, schizotypal and delusional disorders	F20-F29
141 Mood (affective) disorders	F30-F39
142 Neurotic, stress-related and somatoform disorders	F40-F48
143 Mental retardation	F70-F79
144 Other and unspecified mental and behavioral disorders	F50-F69, F80-F99
VI Diseases of the nervous system	**G00-G98**
145 Meningitis	G00, G03
146 Other inflammatory diseases of central nervous system	G04-G09
147 Parkinson's disease	G20-G21
148 Alzheimer's disease	G30
149 Multiple sclerosis	G35
150 Epilepsy	G40-G41
151 Transient cerebral ischemic attacks and related syndromes	G45
152 Infantile cerebral palsy	G80
153 All other diseases of nervous system	G10-G12, G23-G25, G31, G36-G37, G43-G44, G47-G72, G81-G98
154 **VII Diseases of the eye and adnexa**	**H00-H57**
155 **VIII Diseases of the ear and mastoid process**	**H60-H93**
156 Acute rheumatic fever	I00-I02
Chronic rheumatic heart diseases	I05-I09
157 Rheumatic mitral valve diseases	I05
158 Rheumatic aortic valve diseases	I06
159 Disorders of both mitral and aortic valves	I08.0
160 Other chronic rheumatic heart diseases	I07, I08.1-I08.9, I09
Hypertensive diseases	I10-I13
161 Essential (primary) hypertension	I10
162 Hypertensive heart disease	I11
163 Hypertensive renal disease	I12

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
164 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
165 Acute myocardial infarction	I21-I22
166 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
167 Atherosclerotic cardiovascular disease, so described	I25.0
168 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
169 Pulmonary embolism	I26
170 Other pulmonary heart disease and diseases of pulmonary circulation	I27-I28
Other non-pulmonary forms of heart disease	I30-I51
171 Acute and subacute endocarditis	I33
172 Diseases of pericardium and acute myocarditis	I30-I31, I40
Other diseases of endocardium	I34-I38
173 Nonrheumatic mitral valve disorders	I34
174 Nonrheumatic aortic valve disorders	I35
175 All other diseases of endocardium	I36-I38
176 Cardiomyopathy	I42
177 Conduction disorders and cardiac dysrhythmias	I44-I49
Heart failure	I50
178 Congestive heart failure	I50.0
179 Other and unspecified heart failure	I50.1-I50.9
180 Myocarditis, unspecified and myocardial degeneration	I51.4-I51.5
181 All other and ill-defined forms of heart disease	I51.0-I51.3, I51.6-I51.9
Cerebrovascular diseases	I60-I69
182 Subarachnoid hemorrhage	I60
183 Intracerebral and other intracranial hemorrhage	I61-I62
184 Cerebral infarction	I63
185 Stroke, not specified as hemorrhage or infarction	I64
186 Other cerebrovascular diseases and their sequelae	I67, I69
Diseases of arteries, arterioles and capillaries	I70-I78
187 Atherosclerosis	I70
188 Aortic aneurysm and dissection	I71
189 Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
190 Phlebitis, thrombophlebitis, venous embolism and thrombosis	I80-I82
191 All other and unspecified disorders of circulatory system	I83-I99
X Diseases of the respiratory system	**J00-J98**
Acute upper respiratory infections	J00-J06
192 Acute pharyngitis and tonsillitis	J02-J03
193 Acute laryngitis and tracheitis	J04
194 Other and unspecified acute upper respiratory infections	J00-J01, J05-J06
Other diseases of the respiratory system	J10-J98
195 Influenza	J10-J11
Pneumonia	J12-J18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
196 Viral pneumonia, not elsewhere classified	J12
197 Bacterial pneumonia	J13-J15
198 Pneumonia due to other or unspecified organisms	J16, J18
Other acute lower respiratory infections	J20-J22
199 Acute bronchitis and bronchiolitis	J20-J21
200 Unspecified acute lower respiratory infection	J22
201 Other diseases of upper respiratory tract	J30-J39
Chronic lower respiratory diseases	J40-J47
Bronchitis, chronic and unspecified, emphysema and asthma	J40-J46
202 Bronchitis, not specified as acute or chronic	J40
203 Chronic bronchitis	J41-J42
204 Emphysema	J43
205 Other chronic obstructive pulmonary disease	J44
206 Asthma	J45-J46
207 Bronchiectasis	J47
Lung diseases due to external agents	J60-J70
208 Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
209 Pneumonitis due to food and vomit	J69.0
210 Other pneumonitis due to solids and liquids	J69.1-J69.8
211 Other lung diseases due to external agents	J67, J70
212 Suppurative and necrotic conditions of lower respiratory tract	J85-J86
213 Pleural effusion and plaque	J90, J92
214 All other diseases of respiratory system	J80-J84, J93-J98
XI Diseases of the digestive system	**K00-K92**
215 Diseases of oral cavity, salivary glands and jaws	K00-K14
Diseases of other parts of digestive system	K20-K92
216 Diseases of esophagus	K20-K22
Peptic ulcer	K25-K28
217 Gastric ulcer	K25
218 Duodenal ulcer	K26
219 Peptic ulcer, site unspecified	K27
220 Gastrojejunal ulcer	K28
221 Gastritis and duodenitis	K29
222 Dyspepsia and other diseases of stomach and duodenum	K30-K31
223 Diseases of appendix	K35-K38
224 Hernia	K40-K46
225 Crohn's disease and ulcerative colitis	K50-K51
226 Vascular disorders and obstruction of intestine without hernia	K55-K56
227 Diverticular disease of intestine	K57
228 Other diseases of intestines and peritoneum	K52, K58-K63
229 Diseases of peritoneum	K65-K66
Diseases of liver	K70-K76
230 Alcoholic liver disease	K70
231 Chronic hepatitis, not elsewhere classified	K73
232 Fibrosis and cirrhosis of liver	K74

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
233 Other diseases of liver	K71-K72, K75-K76
234 Cholelithiasis and other disorders of gallbladder	K80-K82
Disorders of biliary tract and pancreas	K83-K86
235 Pancreatitis	K85, K86.0-K86.1
236 Other disorders of biliary tract and pancreas	K83, K86.2-K86.9
237 All other diseases of digestive system	K90, K92
XII Diseases of the skin and subcutaneous tissue	**L00-L98**
238 Infections of skin and subcutaneous tissue	L00-L08
239 Other and unspecified diseases of skin and subcutaneous tissue	L10-L98
XIII Diseases of the musculoskeletal system and connectivetissue	**M00-M99**
240 Rheumatoid arthritis and related inflammatory polyarthropathies	M05-M08
241 Systemic lupus erythematosus	M32
242 Other arthropathies and related disorders	M00, M02, M10-M31, M33-M35
243 Dorsopathies	M40-M54
244 Soft tissue disorders	M60-M79
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	M80-M99
245 Osteoporosis	M80-M81
246 Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	M83-M99
XIV Diseases of the genitourinary system	**N00-N98**
Diseases of urinary system	N00-N39
Glomerular and renal tubulo-interstitial diseases	N00-N15
Glomerular diseases	N00-N07
247 Acute and rapidly progressive nephritic syndrome	N00-N01
248 Nephrotic syndrome	N04
249 Other and unspecified glomerular diseases	N02-N03, N05-N07
250 Renal tubulo-interstitial diseases	N10-N15
251 Renal failure	N17-N19
252 Urolithiasis	N20-N23
253 Other and unspecified disorders of kidney	N25-N27
254 Urinary tract infection, site not specified	N39.0
255 Other diseases of urinary system	N28-N36, N39.1-N39.9
Diseases of male genital organs	N40-N50
256 Hyperplasia of prostate	N40
257 Other diseases of male genital organs	N41-N50
258 Disorders of breast	N60-N64
Disorders of female genital organs	N70-N98
259 Inflammatory diseases of female pelvic organs	N70-N76
260 Noninflammatory disorders of female genital tract	N80-N98
XV Pregnancy, childbirth and the puerperium	**O00-O99**
Pregnancy with abortive outcome	O00-O07
261 Ectopic pregnancy	O00
262 Spontaneous abortion	O03
263 Medical abortion	O04

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
264 Other abortion	O05
265 Other and unspecified pregnancy with abortive outcome	O01-O02, O06-O07
Other direct obstetric deaths	O10-O92
266 Eclampsia and pre-eclampsia	O11, O13-O16
267 Hemorrhage of pregnancy and childbirth and placenta previa	O20, O44-O46, O67, O72
Complications predominantly related to the puerperium	O85-O92
268 Obstetric embolism	O88
269 Other complications predominately related to the puerperium	O85-O87, O89-O92
270 All other direct obstetric causes	O10, O12, O21-O43, O47-O66, O68-O71, O73-O75
271 Obstetric death of unspecified cause	O95
272 Other deaths related to pregnancy, childbirth and the puerperium	O96-O97
273 Indirect obstetric deaths	O98-O99
XVI Certain conditions originating in the perinatal period	**P00-P96**
274 Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
275 Disorders related to short gestation and low birth weight, not elsewhere classified	P07
276 Birth trauma	P10-P15
277 Intrauterine hypoxia and birth asphyxia	P20-P21
278 Respiratory distress of newborn	P22
279 Other respiratory conditions originating in the perinatal period	P23-P28
280 Infections specific to the perinatal period	P35-P39
281 Other and unspecified conditions originating in the perinatal period	P05, P08, P29, P50-P96
XVII Congenital malformations, deformations and chromosomal abnormalities	**Q00-Q99**
282 Anencephaly and similar malformations	Q00
283 Spina bifida	Q05
284 All other congenital malformations of nervous system	Q01-Q04, Q06-Q07
285 Congenital malformations of heart	Q20-Q24
286 Other congenital malformations of circulatory system	Q25-Q28
287 Congenital malformations of respiratory system	Q30-Q34
288 Other congenital malformations and deformations	Q10-Q18, Q35-Q89
289 Down's syndrome	Q90
290 All other chromosomal abnormalities, not elsewhere classified	Q91-Q99
XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	**R00-R99**
291 Senility	R54
Ill-defined and unknown causes of mortality	R95-R99
292 Sudden infant death syndrome	R95
293 Other ill-defined and unknown causes of mortality	R96-R99
294 All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94
XX External causes of mortality	**V01-Y89**
Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
295 Railway accidents	V05, V15, V80.6, V81.2-V81.9
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
296 Pedestrian involved in collision with motor vehicle	V02-V04
297 Pedalcyclist involved in collision with motor vehicle	V12-V14, V19.0-V19.2, V19.4-V19.6
298 Motorcyclist involved in any accident except collision with railway train	V20-V24, V26-V34,V36-V39
Motor vehicle accident involving collision with railway train	V25, V35, V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
299 Motorcyclist involved in collision with railway train	V25, V35
300 Other motor vehicle accident involving collision with railway train	V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
301 Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-67, V70-V71, V76-V77
302 Occupant of car, pickup truck or van involved in collision with other motor vehicle	V42-V44, V49, V52-V54, V59
303 Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	V62-V64, V69, V72-V74, V79
304 Occupant of motor vehicle involved in noncollision accident	V48, V58, V68, V78
305 Occupant of special-use motor vehicle involved in any accident	V83-V86
306 Other and unspecified motor vehicle accidents	V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2
307 Streetcar accidents	V82.2-V82.9
308 Other and unspecified land transport accidents	V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7-V80.9, V87.9, V88.9, V89.1, V89.3, V89.9
309 Water transport accidents	V90-V94
310 Air and space transport accidents	V95-V97
311 Other and unspecified transport accidents and their sequelae	V98-V99,Y85
Falls	W00-W19
312 Fall on same level	W00-W09,W18
313 Fall from one level to another	W10-W17
314 Unspecified fall	W19
315 Accidental discharge of firearms	W32-W34
316 Accidental explosion	W39-W40
317 Accidental drowning and submersion	W65-W74
318 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
319 Other accidental and unspecified threats to breathing	W75-W77, W81-W84
320 Accidental exposure to electric current	W85-W87
321 Accidental exposure to radiation	W88-W91

FIGURE 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
322 Accidental exposure to smoke, fire and flames	X00-X09
323 Accidental contact with heat and hot substances	X10-X19
324 Lightning	X33
325 Earthquake, volcanic eruption, avalanche, landslide and other earth movements	X34-X36
326 Cataclysmic storm and flood	X37-X38
Accidental poisoning and exposure to noxious substances	X40-X49
327 Accidental poisoning by and exposure to drugs and other biological substances	X40-X44
328 Accidental poisoning by and exposure to other and unspecified solid or liquid substances	X45-X46, X48-X49
329 Accidental poisoning by and exposure to other gases and vapors	X47
330 All other and unspecified accidents and their sequelae	W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
331 Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	X60-X64
332 Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	X65-X66, X68-X69
333 Intentional self-poisoning (suicide) by and exposure to other gases and vapors	X67
334 Intentional self-harm (suicide) by hanging, strangulation and suffocation	X70
335 Intentional self-harm (suicide) by discharge of firearms	X72-X74
336 Intentional self-harm (suicide) by jumping from a high place	X80
337 Intentional self-harm (suicide) by all other and unspecified means and their sequelae	X71, X75-X79, X81-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
338 Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	X85-X90
339 Assault (homicide) by hanging, strangulation and suffocation	X91
340 Assault (homicide) by discharge of firearms	X93-X95
341 Assault (homicide) by sharp object	X99
342 Assault (homicide) by blunt object	Y00
343 Assault (homicide) by bodily force	Y04
344 Sexual assault (homicide) by bodily force	Y05
345 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
346 Assault (homicide) by all other and unspecified means and their sequelae	X92, X96-X98, Y01-Y03, Y08-Y09, Y87.1
347 Poisoning by and exposure to drugs and biological substances, undetermined intent	Y10-Y14
348 Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent	Y15-Y16, Y18-Y19
349 Poisoning by and exposure to other gases and vapors, undetermined intent	Y17

Figure 2 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
350 Discharge of firearms, undetermined intent	Y22-Y24
351 Falling, jumping or pushed from a high place, undetermined intent	Y30
352 All other and unspecified events of undetermined intent and their sequelae	Y20-Y21, Y25-Y29, Y31-Y34, Y87.2, Y89.9
Legal intervention	Y35, Y89.0
353 Legal execution	Y35.5
354 Other legal intervention and their sequelae	Y35.0-Y35.4, Y35.6-Y35.7, Y89.0
355 Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88
356 Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	Y40-Y59, Y88.0
357 Misadventures to patients during medical and surgical care and their sequelae	Y60-Y69, Y88.1
358 Other complications of medical and surgical care and their sequelae	Y70-Y84, Y88.2-Y88.3

Figure 3

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
1# Salmonella infections	A01-A02
2# Shigellosis and amebiasis	A03, A06
3 Certain other intestinal infections	A04, A07-A09
# Tuberculosis	A16-A19
4 Respiratory tuberculosis	A16
5 Other tuberculosis	A17-A19
6# Whooping cough	A37
7# Scarlet fever and erysipelas	A38, A46
8# Meningococcal infection	A39
9# Septicemia	A40-A41
10# Syphilis	A50-A53
11# Acute poliomyelitis	A80
12# Arthropod-borne viral encephalitis	A83-A84, A85.2
13# Measles	B05
14# Viral hepatitis	B15-B19
15# Human immunodeficiency virus (HIV) disease	B20-B24
16# Malaria	B50-B54
17 Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
# Malignant neoplasms	C00-C97
18 Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
19 Malignant neoplasm of esophagus	C15
20 Malignant neoplasm of stomach	C16
21 Malignant neoplasms of colon, rectum and anus	C18-C21
22 Malignant neoplasms of liver and intrahepatic bile ducts	C22
23 Malignant neoplasm of pancreas	C25
24 Malignant neoplasm of larynx	C32
25 Malignant neoplasms of trachea, bronchus and lung	C33-C34
26 Malignant melanoma of skin	C43
27 Malignant neoplasm of breast	C50
28 Malignant neoplasm of cervix uteri	C53
29 Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
30 Malignant neoplasm of ovary	C56
31 Malignant neoplasm of prostate	C61
32 Malignant neoplasms of kidney and renal pelvis	C64-C65
33 Malignant neoplasm of bladder	C67
34 Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
35 Hodgkin's disease	C81
36 Non-Hodgkin's lymphoma	C82- C85

Figure 3 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
37 Leukemia	C91-C95
38 Multiple myeloma and immuno-proliferative neoplasms	C88, C90
39 Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
40 All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
41# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
42# Anemias	D50-D64
43# Diabetes mellitus	E10-E14
# Nutritional deficiencies	E40-E64
44 Malnutrition	E40-E46
45 Other nutritional deficiencies	E50-E64
46# Meningitis	G00,G03
47# Parkinson's disease	G20-G21
48# Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
# Diseases of heart	I00-I09, I11, I13, I20-I51
49 Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
50 Hypertensive heart disease	I11
51 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
52 Acute myocardial infarction	I21-I22
53 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
54 Atherosclerotic cardiovascular disease, so described	I25.0
55 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
56 Acute and subacute endocarditis	I33
57 Diseases of pericardium and acute myocarditis	I30-I31, I40
58 Heart failure	I50
59 All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
60# Essential (primary) hypertension and hypertensive renal disease	I10, I12
61# Cerebrovascular diseases	I60-I69
62# Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
63# Aortic aneurysm and dissection	I71
64 Other diseases of arteries, arterioles and capillaries	I72-I78
65 Other disorders of circulatory system	I80-I99
# Influenza and pneumonia	J10-J18
66 Influenza	J10-J11
67 Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
68# Acute bronchitis and bronchiolitis	J20-J21
69 Unspecified acute lower respiratory infection	J22

Figure 3 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH		ICD–10 CODE(S)
#	Chronic lower respiratory diseases	J40-J47
70	Bronchitis, chronic and unspecified	J40-J42
71	Emphysema	J43
72	Asthma	J45-J46
73	Other chronic lower respiratory diseases	J44, J47
74#	Pneumoconioses and chemical effects	J60-J66, J68
75#	Pneumonitis due to solids and liquids	J69
76	Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
77#	Peptic ulcer	K25-K28
78#	Diseases of appendix	K35-K38
79#	Hernia	K40-K46
#	Chronic liver disease and cirrhosis	K70, K73-K74
80	Alcoholic liver disease	K70
81	Other chronic liver disease and cirrhosis	K73-K74
82#	Cholelithiasis and other disorders of gallbladder	K80-K82
#	Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
83	Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01,N04
84	Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
85	Renal failure	N17-N19
86	Other disorders of kidney	N25, N27
87#	Infections of kidney	N10-N12, N13 6, N15,1
88#	Hyperplasia of prostate	N40
89#	Inflammatory diseases of female pelvic organs	N70-N76
#	Pregnancy, childbirth and the puerperium	O00-O99
90	Pregnancy with abortive outcome	O00-O07
91	Other complications of pregnancy, childbirth and the puerperium	O10-O99
92#	Certain conditions originating in the perinatal period	P00-P96
93#	Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
94	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
95	All other diseases (Residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
#	Accidents	V01-X59, Y85-Y86
	Transport accidents	V01-V99, Y85
96	Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 3 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
97 Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, 80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
98 Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85
Nontransport accidents	W00-X59, Y86
99 Falls	W00-W19
100 Accidental discharge of firearms	W32-W34
101 Accidental drowning and submersion	W65-W74
102 Accidental exposure to smoke, fire and flames	X00-X09
103 Accidental poisoning and exposure to noxious substances	X40-X49
104 Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
# Intentional self-harm (suicide)	X60-X84, Y87.0
105 Intentional self-harm (suicide) by discharge of firearms	X72-X74
106 Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
# Assault (homicide)	X85-Y09, Y87.1
107 Assault (homicide) by discharge of firearms	X93-X95
108 Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
109# Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
110 Discharge of firearms, undetermined intent	Y22-Y24
111 Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
112# Operations of war and their sequelae	Y36, Y89.1
113# Complications of medical and surgical care	Y40-Y84, Y88

Figure 4

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
Certain infectious and parasitic diseases	A00-B99
1 Certain intestinal infectious diseases	A00-A08
2# Diarrhea and gastroenteritis of presumed Infectious origin	A09
3# Tuberculosis	A16-A19
4# Tetanus	A33,A35
5# Diphtheria	A36
6# Whooping cough	A37
7# Meningococcal infection	A39
8# Septicemia	A40-A41
9# Congenital syphilis	A50
10# Gonococcal infection	A54
Viral diseases	A80-B34
11# Acute poliomyelitis	A80
12# Varicella (chickenpox)	B01
13# Measles	B05
14# Human immunodeficiency virus (HIV) disease	B20-B24
15# Mumps	B26
16 Oher and unspecified viral diseases	A81-B00, B02-B04, B06-B19, B25, B27-B34
17# Candidiasis	B37
18# Malaria	B50-B54
19# Pneumocystosis	B59
20 Other and unspecified infectious and parasitic diseases and their sequelae	A20-A32, A38, A42-A49, A51-A53, A55-A79, B35-B36, B38-B49, B55-B58, B60-B99
Neoplasms	C00-D48
# Malignant neoplasms	C00-C97
21 Hodgkin's disease and non- Hodgkin's lymphomas	C81-C85
22 Leukemia	C91-C95
23 Other and unspecified malignant neoplasms	C00-C80,C88,C90,C96-C97
24# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
# Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89
25 Anemias	D50-D64
26 Hemorrhagic conditions and other diseases of blood and blood-forming organs	D65-D76
27 Certain disorders involving the immune mechanism	D80-D89
Endocrine, nutritional and metabolic diseases	E00-E88
28# Short stature, not elsewhere classified	E34.3
29# Nutritional deficiencies	E40-E64
30# Cystic fibrosis	E84

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
31# Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
32 All other endocrine, nutritional and metabolic diseases	E00-E32, E34.0-E34.2, E34.4-E34.9, E65-E83, E85, E88
Diseases of the nervous system	G00-G98
33# Meningitis	G00, G03
34# Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	G12.0
35# Infantile cerebral palsy	G80
36# Anoxic brain damage, not elsewhere classified	G93.1
37 Other diseases of nervous system	G04, G06-G11, G12.1-G12.9, G20-G72, G81-G92, G93.0, G93.2-G93.9, G95-G98
38# Diseases of the ear and mastoid process	H60-H93
# Diseases of the circulatory system	I00-I99
39 Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
40 Pericarditis, endocarditis and myocarditis	I30, I33, I40
41 Cardiomyopathy	I42
42 Cardiac arrest	I46
43 Cerebrovascular diseases	I60-I69
44 All other diseases of circulatory system	I00-I25, I31, I34-I38, I44-I45, I47-I51, I70-I99
Diseases of the respiratory system	J00-J98
45# Acute upper respiratory infections	J00-J06
# Influenza and pneumonia	J10-J18
46 Influenza	J10-J11
47 Pneumonia	J12-J18
48# Acute bronchitis and acute bronchiolitis	J20-J21
49# Bronchitis, chronic and unspecified	J40-J42
50# Asthma	J45-J46
51# Pneumonitis due to solids and liquids	J69
52 Other and unspecified diseases of respiratory system	J22, J30-J39, J43-J44, J47-J68, J70-J98
Diseases of the digestive system	K00-K92
53# Gastritis, duodenitis, and noninfective enteritis and colitis	K29, K50-K55
54# Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46, K56
55 All other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00-N98
56# Renal failure and other disorders of kidney	N17-N19, N25, N27
57 Other and unspecified diseases of genitourinary system	N00-N15, N20-N23, N26, N28-N98
Certain conditions originating in the perinatal period	P00-P96
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
58# Newborn affected by maternal hypertensive disorders	P00.0
59# Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9

Figure 4 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Newborn affected by maternal complications of pregnancy	P01
60 Newborn affected by incompetent cervix	P01.0
61 Newborn affected by premature rupture of membranes	P01.1
62 Newborn affected by multiple pregnancy	P01.5
63 Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
# Newborn affected by complications of placenta, cord and membranes	P02
64 Newborn affected by complications involving placenta	P02.0-P02.3
65 Newborn affected by complications involving cord	P02.4-P02.6
66 Newborn affected by chorioamnionitis	P02.7
67 Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
68# Newborn affected by other complications of labor and delivery	P03
69# Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
70# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birthweight, not elsewhere classified	P07
71 Extremely low birth weight or extreme immaturity	P07.0, P07.2
72 Other low birth weight or preterm	P07.1, P07.3
73# Disorders related to long gestation and high birth weight	P08
74# Birth trauma	P10-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
75 Intrauterine hypoxia	P20
76 Birth asphyxia	P21
77# Respiratory distress of newborn	P22
Other respiratory conditions originating in the perinatal period	P23-P28
78# Congenital pneumonia	P23
79# Neonatal aspiration syndromes	P24
80# Interstitial emphysema and related conditions originating in the perinatal period	P25
81# Pulmonary hemorrhage originating in the perinatal period	P26
82# Chronic respiratory disease originating in the perinatal period	P27
83# Atelectasis	P28.0-P28.1
84 All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35-P39
85# Bacterial sepsis of newborn	P36
86# Omphalitis of newborn with or without mild hemorrhage	P38
87 All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50-P61
88# Neonatal hemorrhage	P50-P52, P54
89# Hemorrhagic disease of newborn	P53

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
90# Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59
91# Hematological disorders	P60-P61
92# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
93# Necrotizing enterocolitis of newborn	P77
94# Hydrops fetalis not due to hemolytic disease	P83 2
95 Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78- P81, P83.0-P83.1, P83.3-P83.9, P90-P96
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
96 Anencephaly and similar malformations	Q00
97 Congenital hydrocephalus	Q03
98 Spina bifida	Q05
99 Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07
100 Congenital malformations of heart	Q20-Q24
101 Other congenital malformations of circulatory system	Q25-Q28
102 Congenital malformations of respiratory system	Q30-Q34
103 Congenital malformations of digestive system	Q35-Q45
104 Congenital malformations of genitourinary system	Q50-Q64
105 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
106 Down's syndrome	Q90
107 Edward's syndrome	Q91.0-Q91.3
108 Patau's syndrome	Q91.4-Q91.7
109 Other congenital malformations and deformations	Q10-Q18, Q86-Q89
110 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
111# Sudden infant death syndrome	R95
112 Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
113 All other diseases (Residual)	F01-F99, H00-H57, L00-M99
External causes of mortality	V01-Y89
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
114 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 4 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
115 Other and unspecified transport accidents and their sequelae	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, Y85
116 Falls	W00-W19
117 Accidental discharge of firearms	W32-W34
118 Accidental drowning and submersion	W65-W74
119 Accidental suffocation and strangulation in bed	W75
120 Other accidental suffocation and strangulation	W76-W77, W81-W84
121 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89

Figure 5

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

All causes	
Certain infectious and parasitic diseases	A00-B99
1# Congenital syphilis	A50
2# Human immunodeficiency virus (HIV) disease	B20-B24
3 Other viral diseases	A80-B19,B25-B34
4 Other and unspecified infectious and parasitic diseases	A00-A49,A51-A79,B35-B99
5# Malignant neoplasms	C00-C97
6# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
7# Anemias	D50-D64
Endocrine, nutritional and metabolic diseases	E00-E88
8# Short stature, not elsewhere classified	E343
9# Cystic fibrosis	E84
10 Other endocrine, nutritional and metabolic diseases	E00-E32,E340-E342,E344-E349,E40-E83,E85-E88
11# Meningitis	G00,G03
12 Other diseases of nervous system and sense organs	G04-H93
13# Umbilical hernia	K42
14 Other hernia	K40-K41,K43-K46
15 Other and unspecified diseases of digestive system	K00-K38,K50-K92
16 All other diseases, excluding perinatal conditions, congenital anomalies, and symptoms, signs and ill-defined conditions	D65-D89,I00-J98,L00-N98
Certain conditions originating in the perinatal period	P00-P96
# Fetus affected by maternal conditions that may be unrelated to present pregnancy	P00
17 Fetus affected by maternal hypertensive disorders	P000
18 Fetus affected by maternal renal and urinary tract diseases	P001
19 Fetus affected by maternal infectious and parasitic diseases	P002
20 Fetus affected by other maternal circulatory and respiratory diseases	P003
21 Fetus affected by maternal nutritional disorders	P004
22 Fetus affected by maternal injury	P005
23 Fetus affected by surgical procedure on mother	P006
24 Fetus affected by other medical procedures and maternal conditions	P007-P008
25 Fetus affected by unspecified maternal condition	P009
# Fetus affected by maternal complications of pregnancy	P01
26 Fetus affected by incompetent cervix	P010
27 Fetus affected by premature rupture of membranes	P011
28 Fetus affected by oligohydramnios	P012

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

29 Fetus affected by polyhydramnios	P013
30 Fetus affected by ectopic pregnancy	P014
31 Fetus affected by multiple pregnancy	P015
32 Fetus affected by maternal death	P016
33 Fetus affected by malpresentation before labor	P017
34 Fetus affected by other and unspecified maternal complications of pregnancy	P018-P019
# Fetus affected by complications of placenta, cord and membranes	P02
35 Fetus affected by placenta previa	P020
36 Fetus affected by other forms of placental separation and hemorrhage	P021
37 Fetus affected by other and unspecified morphological and functional abnormalities of placenta	P022
38 Fetus affected by placental transfusion syndromes	P023
39 Fetus affected by prolapsed cord	P024
40 Fetus affected by other compression of umbilical cord	P025
41 Fetus affected by other and unspecified conditions of umbilical cord	P026
42 Fetus affected by chorioamnionitis	P027
43 Fetus affected by other and unspecified abnormalities of membranes	P028-P029
# Fetus affected by other complications of labor and delivery	P03
44 Fetus affected by breech delivery and extraction	P030
45 Fetus affected by other malpresentation, malposition and disproportion during labor and delivery	P031
46 Fetus affected by forceps delivery	P032
47 Fetus affected by delivery by vacuum extractor (ventouse)	P033
48 Fetus affected by cesarean delivery	P034
49 Fetus affected by precipitate delivery	P035
50 Fetus affected by abnormal uterine contractions	P036
51 Fetus affected by other and unspecified complications of labor and delivery	P038-P039
52# Fetus affected by noxious influences transmitted via placenta	P04
53# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birth weight, not elsewhere classified	P07

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

54 Extremely low birth weight or extreme immaturity	P070,P072
55 Other low birth weight and preterm	P071,P073
# Disorders related to long gestation and high birth weight	P08
56 Exceptionally large size and other heavy for gestational age fetus	P080-P081
57 Post-term, not heavy for gestational age fetus	P082
# Birth trauma	P10-P15
58 Intracranial laceration and hemorrhage due to birth injury and other injuries to central nervous system	P10-P11
59 Other birth trauma	P12-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
60 Intrauterine hypoxia first noted before onset of labor	P200
61 Intrauterine hypoxia first noted during labor and delivery	P201
62 Intrauterine hypoxia, unspecified	P209
63 Birth asphyxia	P21
Other respiratory conditions originating in the perinatal period	P23-P28
64# Congenital pneumonia	P23
65# Aspiration syndromes	P24
66# Interstitial emphysema and related conditions originating in the perinatal period	P25
67# Atelectasis	P280-P281
68 Other respiratory system disorders	P26-P27,P282-P289
Infections specific to the perinatal period	P35-P39
69# Congenital rubella syndrome	P350
70# Congenital cytomegalovirus infection	P351
71# Congenital herpesviral (herpes simplex) infection	P352
72# Congenital viral hepatitis	P353
73# Bacterial sepsis	P36
74# Congenital tuberculosis	P370
75# Congenital toxoplasmosis	P371
76 Other infections specific to the perinatal period	P358-P359,P372-P379,P38-P39
77# Fetal hemorrhage	P50-P54
# Hemolytic disease of fetus	P55-P56
78 Rh isoimmunization of fetus	P550
79 ABO isoimmunization of fetus	P551
80 Other hemolytic disease of fetus	P558-P559
81 Hydrops fetalis due to hemolytic disease	P56
82# Perinatal jaundice	P57-P59
83# Hematological disorders	P60-P61
Transitory endocrine and metabolic disorders specific to fetus	P70-P74

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

84# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P700-P702
85 Other transitory endocrine and metabolic disorders specific to fetus	P703-P709,P71-P74
86# Digestive system disorders of fetus	P76-P78
Other conditions originating in the perinatal period	P80-P96
87# Hydrops fetalis not due to hemolytic disease	P832
88# Fetal death of unspecified cause	P95
89# Withdrawal symptoms from maternal use of drugs of addiction	P961
90# Termination of pregnancy	P964
91# Complications of intrauterine procedures, not elsewhere classified	P965
92 All other specified conditions originating in the perinatal period	P80-P81,P830-P831,P833-P839,P90-P91,P93-P94,P960,P963,P968
93 Condition originating in the perinatal period, unspecified	P969
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Congenital malformations of nervous system	Q00-Q07
94 Anencephaly and similar malformations	Q00
95 Encephalocele	Q01
96 Microcephaly	Q02
97 Congenital hydrocephalus	Q03
98 Reduction deformities of brain	Q040-Q043
99 Other congenital malformations of brain	Q044-Q049
100 Spina bifida	Q05
101 Other congenital malformations of spinal cord and nervous system	Q06-Q07
102 Congenital malformations of eye, ear, face and neck	Q10-Q18
103 Congenital malformations of heart	Q20-Q24
104 Other congenital malformations of circulatory system	Q25-Q28
105 Congenital malformations of lung	Q33
106 Other congenital malformations of respiratory system	Q30-Q32,Q34
107 Congenital malformations of digestive system	Q35-Q45
108 Congenital malformations of genital organs	Q50-Q56
Congenital malformations of urinary system	Q60-Q64
109 Renal agenesis and other reduction defects of kidney	Q60
110 Cystic kidney disease	Q61
111 Other congenital malformations of urinary system	Q62-Q64

Figure 5 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

112 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
Other congenital malformations	Q86-Q89
113 Conjoined twins	Q894
114 Multiple congenital malformations, not elsewhere classified	Q897
115 All other congenital malformations	Q86-Q87,Q890-Q893,Q898-Q899
Chromosomal abnormalities, not elsewhere classified	Q90-Q99
116 Down's syndrome	Q90
117 Edward's syndrome	Q910-Q913
118 Patau's syndrome	Q914-Q917
119 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
120 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R83-R94
External causes of mortality	V01-Y84
121# Accidents	V01-X59
122# Assault (homicide)	X85-Y09
123# Complications of medical and surgical care	Y40-Y84
124 Other external causes	Y10-Y36

USE OF RATES AND RATIOS

It is sometimes quite useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Where such adjustments have been made in this report, that fact is indicated in the title or footnote of the table or graph.

However, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor to adjust for the composition of the population. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates, discussed elsewhere in the TECHNICAL OVERVIEW SECTION, are not included here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth or unintended death.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to the number of live births. It is calculated as follows:

$$Abortion\ ratio = \frac{Number\ of\ induced\ abortions}{Number\ of\ live\ births} \times 1{,}000$$

AGE - the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month and day of birth were incomplete or invalid, the month was assumed to be June and the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is

calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

$$Age\text{-}adjusted\ death\ rate = \sum_{i=1}^{11} S_i w_i$$

where S_i = *the age - specific death rate for the* i^{th} *age group*

where w_i = *the weight of the* i^{th} *age group in the standard population*

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The "standard 11" age groups are typically used: 0 years of age, 1 – 4 years of age, 5 – 14, 15 – 24, … , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$Age\ specific\ death\ rate = \frac{Number\ of\ deaths\ within\ the\ age\ group}{Midyear\ population\ of\ the\ age\ group} x\ 1{,}000$$

APGAR SCORE - an evaluation of a newborn infant's physical status that assigns numerical values (0-2) to each of five criteria 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color; a score of eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or "subject" population is the denominator in a rate calculation. (See the use of "at risk" in the definition of FERTILITY RATE).

BIRTH RATE - the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ birth\ rate = \frac{Number\ of\ live\ births}{Midyear\ population} x\ 1{,}000$$

COUNTY - as used in table titles, either an incorporated county or that part of Yellowstone National Park which is located in Montana. For example, a tabulation of deaths "by county of occurrence" would show deaths in the Montana portion of Yellowstone National Park as "county" occurrences.

DEATH RATE - the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ death\ rate = \frac{Number\ of\ deaths}{Midyear\ population} x\ 1{,}000$$

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$Fertility\ rate = \frac{Number\ of\ live\ births}{Midyear\ population\ of\ women\ aged\ 15-44} \times 1{,}000$$

FETAL DEATH - the reported birth of a fetus that shows no evidence of life after complete birth-that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no provision in Montana law for reporting the birth of a non-viable fetus with a lower weight.

FETAL MORTALITY RATIO - the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Fetal\ mortality\ ratio = \frac{Number\ of\ fetal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

FREQUENCY - the number of occurrences of an event or observation; how often an event occurs.

ICD - the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems. Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (See the "Cause of Death Certification" and "Cause of Death and Conversion to ICD-10" sections of this report for further details).

INCIDENCE RATE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION - a legal, medical or surgical procedure that is intended to terminate a pregnancy without live birth.

INFANT - an individual less than 365 days (one year) old.

INFANT MORTALITY RATE - the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$Infant\ \ mortality\ \ rate = \frac{Number\ \ of\ \ infant\ \ deaths}{Number\ \ of\ \ live\ \ births} \ x\ 1{,}000$$

INVALID MARRIAGE - a marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH - the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTH WEIGHT - the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH - a woman's death attributable to childbirth or complications of pregnancy, delivery, and the puerperium.

MATERNAL MORTALITY RATE - the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$Maternal\ mortality\ rate = \frac{Number\ of\ maternal\ deaths}{Number\ of\ live\ births} \ x\ 100{,}000$$

MEAN - the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN - the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when arranged in numerical order. For a set with an even number of values, the median is the mean of the two "middle" values. For the example under the definition of MEAN, the median age is 12.5 years.

MODE - the most frequently observed value in a set of values. For the example under the definition of MEAN, the modal age is 13.

NATURAL INCREASE - the excess of births over deaths among residents of an area.

NEONATAL DEATH - a death occurring within the first 27 days of life.

NEOPLASM - a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO - the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Out-of-wedlock\ birth\ ratio = \frac{Number\ of\ live\ out-of-wedlock\ births}{Number\ of\ livebirths} \times 1{,}000$$

PARITY - the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and three quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75th percentile is 13.

PERINATAL DEATH - a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand live births in that population. It is calculated as follows:

$$Perinatal\ mortality\ rate = \frac{Number\ of\ fetal\ deaths + neonatal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

PLACE OF OCCURRENCE - the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY - the number of infants born during this delivery.

POST-NEONATAL DEATH - during the first year of life, but after the first 27 days.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO - the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the Montana fetal mortality ratio is the number of fetal deaths per 1,000 live births to Montana resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

STANDARD DEVIATION - a measure of how "spread out" a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$Standard\ deviation = \sqrt{\frac{1}{N}\sum_{i=1}^{N}(x_i - \mu)^2}$$

where μ = *the mean of the set of N values*

where x_i = *the* i^{th} *value in the set of N values*

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient's immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

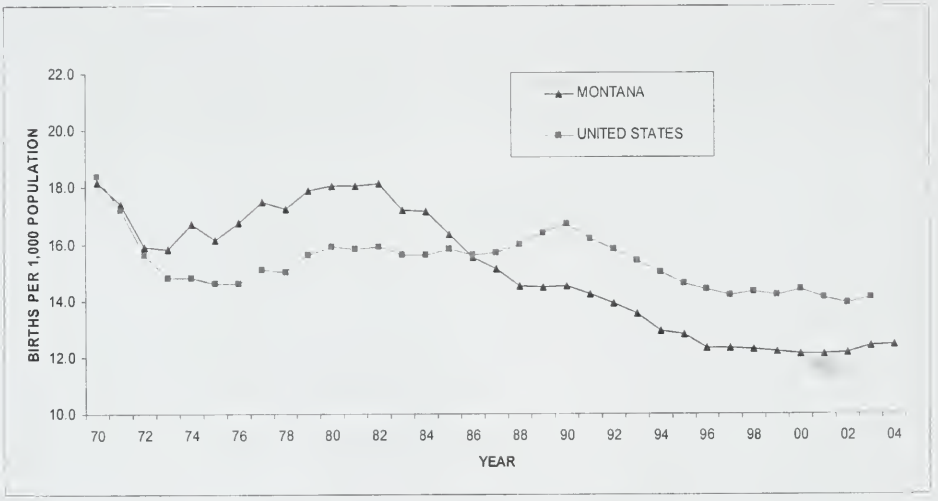
NATALITY

There were 11,514 babies born to Montana residents in 2004. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

For the most part, the Montana birth rate has been in long-term decline since the early 1980s. However, the frequency of births to Montana residents increased slightly in 2000, 2001 and 2002, and the birth rate appears to have stabilized in those years at 12.1 per 1,000 population. In 2003 and 2004 the number of births increased again and the rate increased to 12.4 per 1,000 population. These have been the first substantial increases since 1982. However, it is probably still too soon to identify this as a lasting change in trend. **Figure 6** below compares the resident birth rates for Montana and the U.S. for the last 35 years.

Figure 6

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1970-2004



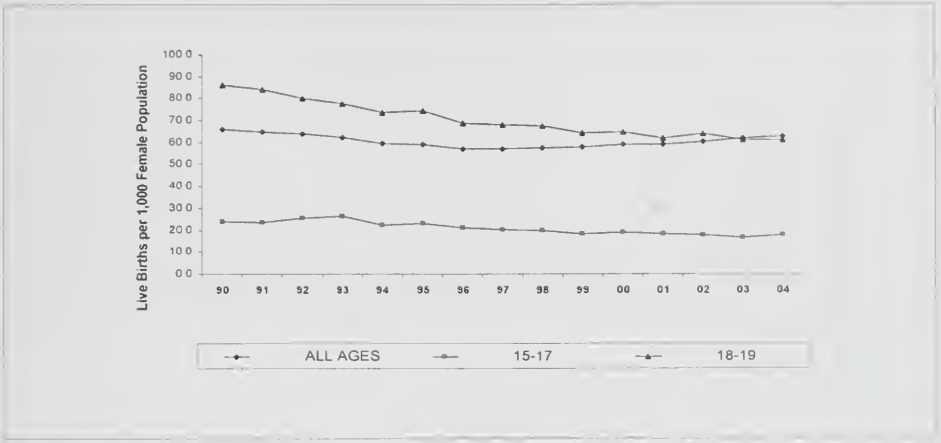
While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-1980s, and has been the lower of the two since. In 2003,the last year for which national statistics are available, only seven states had lower birth rates than Montana's. None of those states is West of the Mississippi River.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is sometimes considered more useful than the birth rate for many analytic purposes because it is specific with regards to sex and age of the "at-risk" population. Montana's fertility rate since 1990 is shown in **Figure 7** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

Figure 7

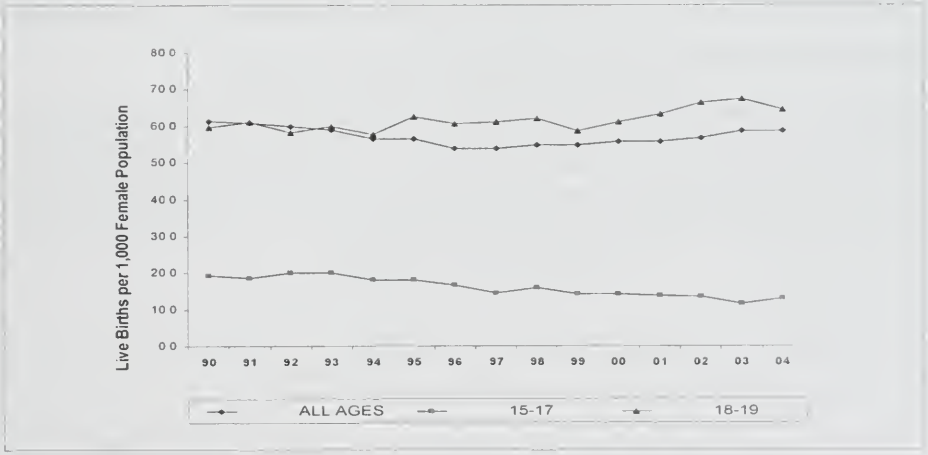
FERTILITY RATES FOR MOTHERS OF ALL RACES
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2004



The rate of fertility among various racial groups can be quite different from those of the population as a whole, as is illustrated by **Figure 7** above, **Figure 8** below, and **Figure 9** on the next page. Examination of the respective rates for whites and Native Americans for the previous several years is revealing.

Figure 8

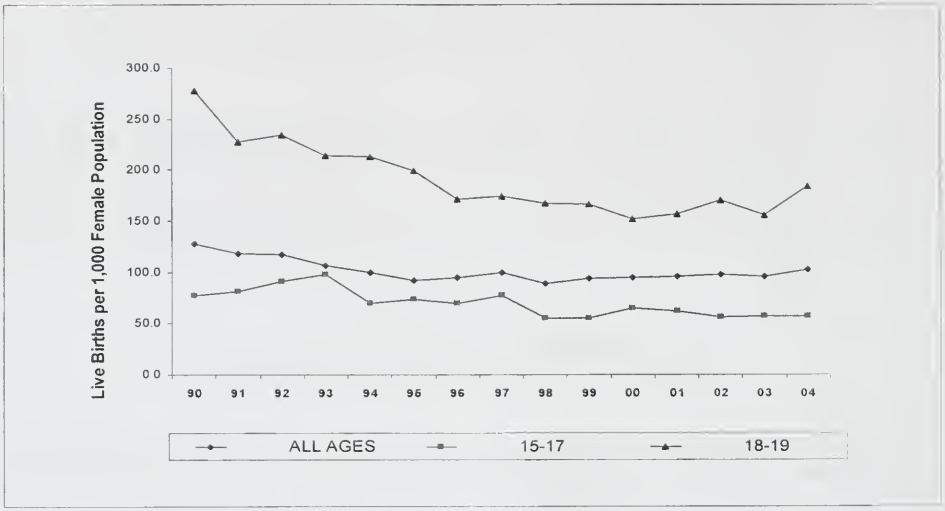
FERTILITY RATES FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2004



In 2004, the fertility rate for Montana's white mothers of any age was 58.8. The rate for white mothers between 15 and 17 was 13.1, and the rate for white mothers between the ages of 18 and 19 was 64.5. Fertility rates for Native Americans were substantially higher in all age groups—103.0, 57.3, and 183.6, respectively.

Figure 9

FERTILITY RATES FOR NATIVE AMERICAN MOTHERS MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2004



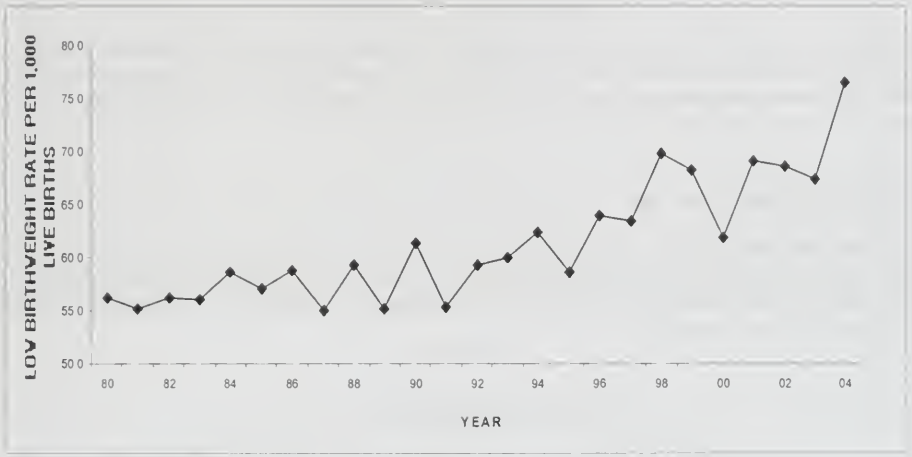
Rates of change for these fertility rates also varied among different groups during this period. The fertility rates for Native Americans of all age groups were higher than those for whites in 2004, but most--with the exception of the 15-17 year old cohort--fell faster during the preceding 14 years than did those for whites. Rates for whites of all ages fell by 4.2%, with a reduction of 32.2% for white teens aged 15-17, and an increase of 7.9% for white teens aged 18-19. Rates for Native Americans of all age groups fell over this period; the rates for all ages, teens aged 15-17, and those aged 18-19 fell by 19.5% 26.4%, and 33.8%, respectively.

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 10**, on the following page, shows an increasing rate of low birthweight babies born to Montanans. The rate was 55.2 in 1981 and 76.52 in 2004. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this does not seem to be the case for the Montana infant population as a whole, as the trends of infant and fetal mortality among Montanans in **Figure 16** show. While the low birthweight rate trends upward, rates of infant death are falling for Montana residents.

Figure 10

RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1981-2004



MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2004 were mostly married white women between the ages of 20 and 35 years. **Table S-8** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by the mother's race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 11

PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS, 1981-2004

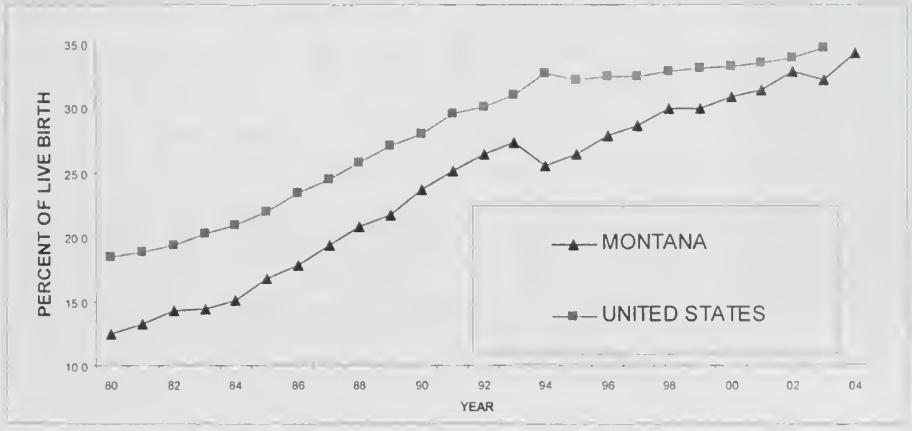


Table B-1 shows the frequency and percent of resident births to unmarried mothers for the years 2000 through 2004. **Table S-7** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2004. **Figure 11**, on the previous page, shows the trend in those births to unmarried women for Montana and the United States since 1981. Births to unmarried women represented 13.3% of Montana's resident births in 1981, 23.7% in 1990, 30.8% in 2000, and 34.2% in 2004.

By comparison, unmarried women in the U.S. accounted for 18.9% of the resident births in 1981, 28.0% in 1990, 33.2% in 2000, and 34.6% in 2003. The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion. However, the long–term trend for Montana appears to be converging with the national trend over this period.

METHOD OF DELIVERY

Almost four-fifths of the infants delivered in Montana in the years 1995 through 2004 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 12** shows, the likelihood of a vaginal delivery decreases steadily with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 12

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1995-2004

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
ALL METHODS	Number	109,882	112	3,984	8,793	30,281	30,515	22,935	10,811	2,320	125	6
	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
VAGINAL	Number	83,680	97	3,421	7,315	24,180	23,288	16,501	7,341	1,453	79	5
	Percent	76.2	86.6	85.9	83.2	79.9	76.3	71.9	67.9	62.6	63.2	83.3
VAGINAL AFTER C-SECTION	Number	2,962	-	3	68	549	918	867	464	90	3	-
	Percent	2.7	0.0	0.1	0.8	1.8	3.0	3.8	4.3	3.9	2.4	0.0
PRIMARY C-SECTION	Number	14,070	14	544	1,219	3,754	3,671	2,889	1,544	409	26	-
	Percent	12.8	12.5	13.7	13.9	12.4	12.0	12.6	14.3	17.6	20.8	0.0
REPEAT C-SECTION	Number	9,142	1	14	188	1,793	2,633	2,671	1,459	366	17	-
	Percent	8.3	0.9	0.4	2.1	5.9	8.6	11.6	13.5	15.8	13.6	0.0
NOT STATED	Number	28	-	2	3	5	5	7	3	2	-	1
	Percent	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	16.7

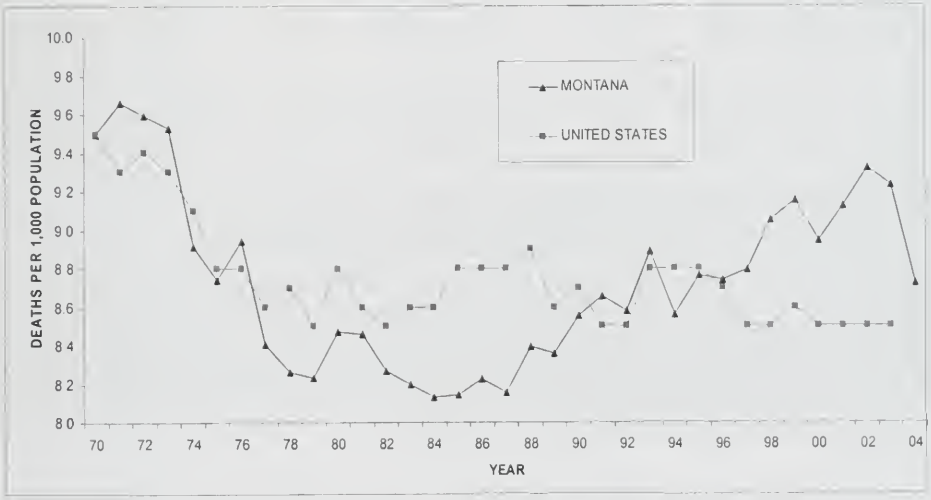
MORTALITY

Montana's crude annual resident mortality rate in 2004 was 8.7 per 1,000 estimated midyear population. There were 8,083 Montana residents who died in that year, with their median age being 78 years. Of these people, 4,064 (50.3%) were males and 4,019 (49.7%) were females. There were 7,006 white resident decedents (86.7%), 403 Native Americans (5.0%), and 633 decedents described as belonging to two or more races (7.8 %). Twenty-seven decedents were of some other single race (about a third of a percent) and fourteen were of unknown race.

Figure 13 shows the crude death rates per 1,000 population for Montana and U.S. residents from 1969 through 2004. Montana's annual rate followed the national trend fairly closely throughout most of this period. However, there were notable deviations, particularly in the 1980s and late nineties. Montana's rate displayed no consistent trend from 1969 to 1973, averaging about 9.5 deaths per 1,000 population. Montana and The United States dropped precipitously beginning in the early 1970s, and Montana's rate, for the most part, has been rising since the mid-1980s and just recently fallen towards the U.S. rate.

Figure 13

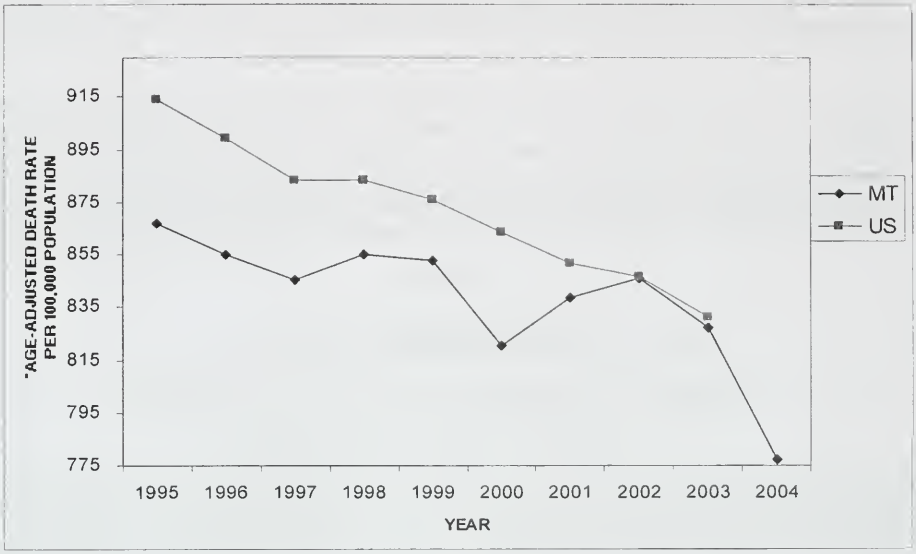
RESIDENT CRUDE DEATH RATES
MONTANA AND THE UNITED STATES, 1970 – 2004



The rate of death is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of "age adjusted death rate" in the DEFINITIONS section of this report for a description of the mathematics of age adjustment and also see the section on AGE-SPECIFIC AND AGE -ADJUSTED DEATH RATES below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Figure 14

**AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS, 1995- 2004****



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2003 is preliminary and the rate for 2004 is not yet available.

Figure 14 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been generally declining over the ten years profiled. It is also notable that the age-adjusted rate for Montana was lower than the U.S. rate for eight of the ten years profiled, averaging about 96.2% of the national rate.

Figure 15 summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1995 to 2004.

Figure 15

AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1995 – 2004

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25TH PERCENTILE	MEDIAN AGE	75TH PERCENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	80,391	0	65	78	86	111	73.1	18.6
MALE	41,233	0	61	75	83	109	69.7	19.1
FEMALE	39,157	0	70	81	88	111	76.7	17.3
WHITE								
TOTAL**	74,868	0	67	78	86	111	74.0	17.8
MALE	38,162	0	63	75	83	109	70.7	18.3
FEMALE	36,705	0	71	81	88	111	77.4	16.6
NATIVE AMERICAN								
TOTAL	3,772	0	43	61	75	107	56.9	23.2
MALE	2,161	0	38	57	72	107	53.6	23.2
FEMALE	1,611	0	49	65	79	104	61.3	22.4
OTHER RACES								
TOTAL	1,751	0	61	77	86	106	70.7	21.3
MALE	910	0	56	74	84	101	67.4	21.7
FEMALE	841	0	68	79	88	106	74.2	20.3

*The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile;* half at or under the age at the *median* (or *50th percentile)* etc. The *standard deviation* measures the concentration of the distribution around its mean.
** Sex was unknown for one white decedent.

In the last decade, whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 67, while one quarter of the Native American decedents died at or below the age of 43 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (23.2) compared to whites (17.8); thus, a larger proportion of Native Americans died at younger- or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 81 years, compared to 75 years for white men. The median age for Native American women was 65 years, compared to 57 years for Native American men.

FETAL, INFANT, AND MATERNAL DEATHS

Table S-1 shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and yearly from 1946 through 2004 for deaths of Montana residents (regardless of place of occurrence).

Figure 16

FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS
MONTANA RESIDENTS, 1980 – 2004

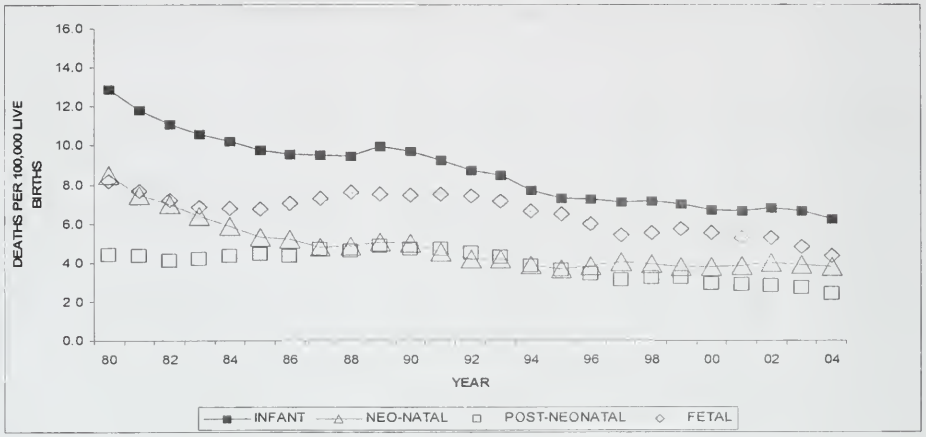


Figure 16 shows the five-year infant and fetal mortality rates for Montana residents from 1980 through 2004. There was a substantial decline in the five-year infant death rate during this period. This rate, the number of infant deaths per 1,000 live births, was more than halved during this interval. It declined from 12.9 in 1980 to 6.2 in 2004. The five-year death rate for infants dying in the neonatal period, the first 28 days of life, was also more than halved during this period, declining from 8.5 per 1,000 live births in 1980 to 3.8 in 2004. The rate for post-neonatal infants (infants 28 days and older) declined by about 45%, falling from 4.4 to 2.4 per 1,000 live births. The five-year fetal mortality ratio also declined by nearly half, falling from 8.2 deaths per 1,000 live births in 1980 to 4.4 in 2004.

There were 40 resident fetal deaths and 53 resident infant deaths in Montana in 2004. Frequencies of infant and fetal deaths by Montana county of occurrence and residence appear in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and county of residence. The number of infant deaths and five-year infant mortality rates by Montana County of residence appear in **Table D-8**.

Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-7**. (See **Figure 2** for a complete listing of all 358 potential causes that could appear in **Table D-1**. See **Figure 4** for a complete list of the 130 potential causes that could appear in **Table D-7**.) Sudden infant death syndrome (SIDS), certain conditions originating in the perinatal period, and congenital malformations, deformations, and chromosomal anomalies caused more than two-thirds of all infant deaths in 2004.

Table F-1 shows the frequency of fetal deaths by race, sex, gestational age, and selected cause of fetal death. (See **Figure 5** for a complete list of the124 potential causes that could appear in **Table F-1**.) **Table S-4** shows the frequency of fetal, infant, and child deaths by county of residence.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. (Because the resident populations of Montana in different years had different age compositions, they can be considered different populations.)

In the past, the resident population of Montana (and of the Nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the first years of the 21st Century than they did only a decade before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single population. They are designed to "adjust" for differences in the age compositions of resident populations in different years by applying observed (i.e. actual) age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address issues such as whether an increasing or decreasing death rate is due merely to an aging population or whether some other factors are involved.

For instance, one can compare the Montana age-adjusted death rates for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

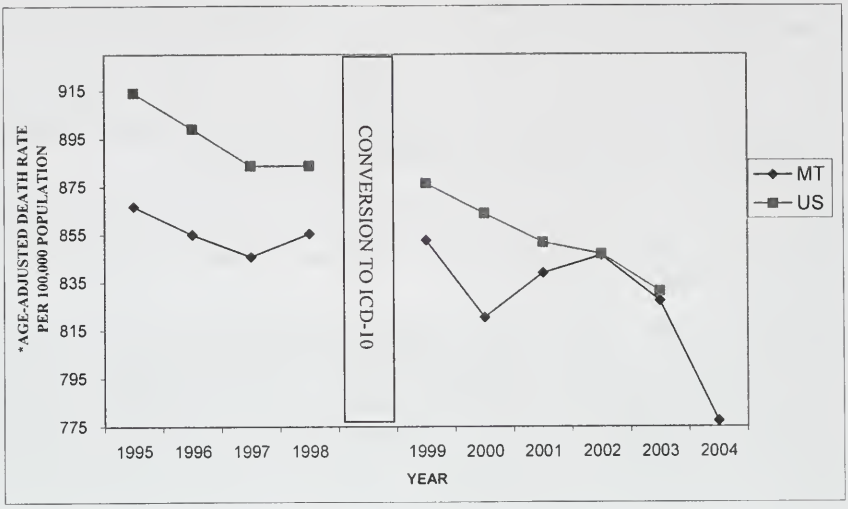
Figures 17 through 46 display age-adjusted and age specific death rates for several of the leading causes of death in Montana and/or the United States. The age-adjusted rates are adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of the population. Hence, Montana's age-specific death rates are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for all causes of death are represented here so the reader can judge their usefulness for him or herself.

When analyzing trends in cause-specific age-adjusted death rates, one should remember that the change from one revision of ICD to another (from the ICD-9 to ICD-10 in this case) can dramatically affect the apparent rates for some underlying causes of death, since different revisions (and subsequent changes in rules of classification and selection) can result in different underlying causes for a death record. Underlying causes of death were determined using the conventions of ICD-9 in the years prior to 1999 and the conventions of ICD-10 thereafter. This change is marked in the following graphs with a vertical bar.

Figure 17

AGE-ADJUSTED* DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 18

AGE-SPECIFIC DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA RESIDENTS, 1995-2004

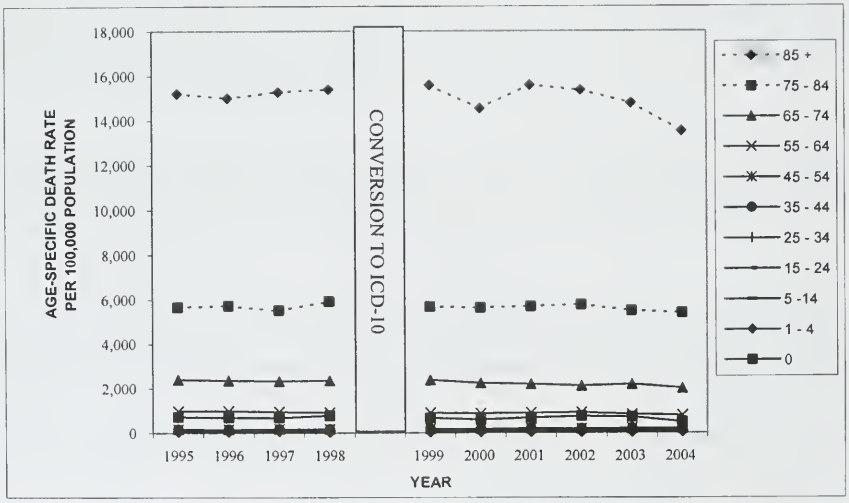
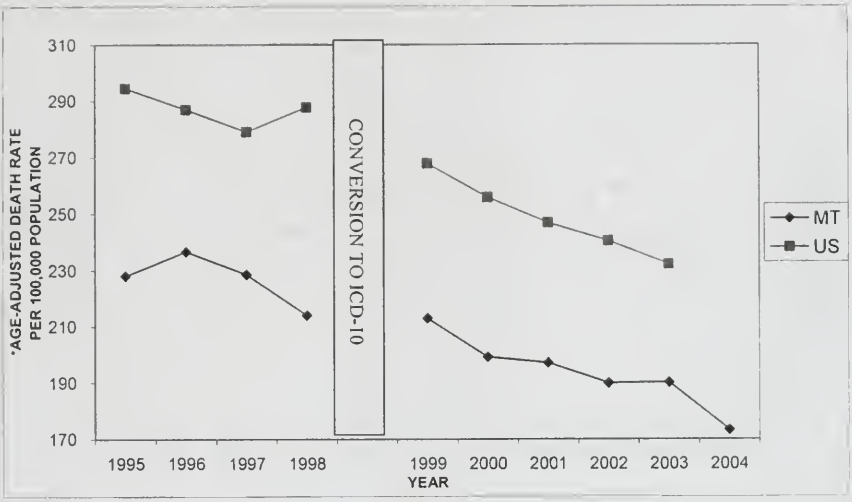


Figure 19

AGE-ADJUSTED* DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 20

AGE-SPECIFIC DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA RESIDENTS, 1995-2004

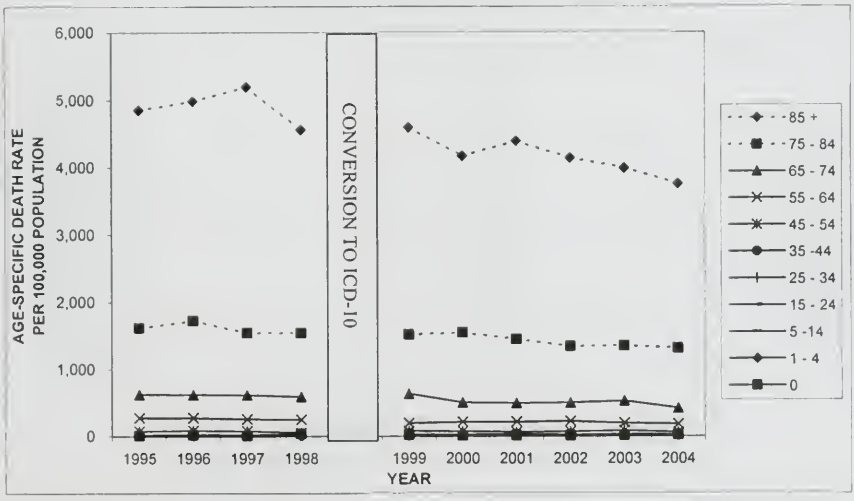
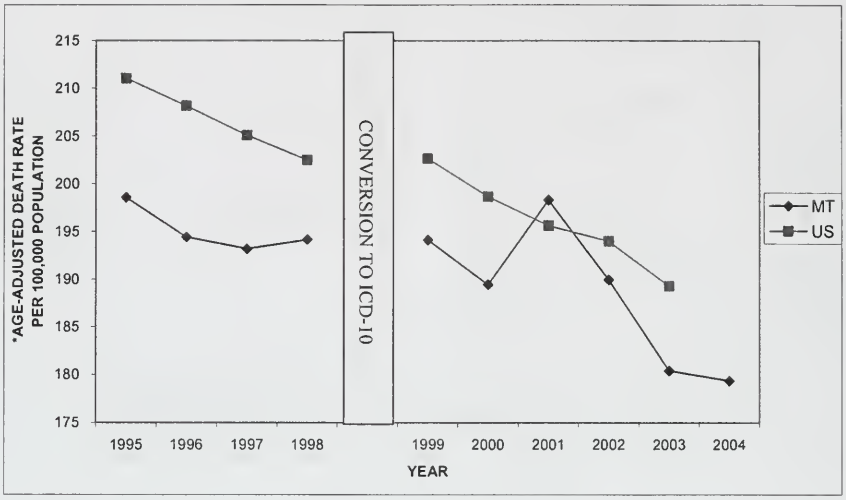


Figure 21

AGE-ADJUSTED* DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 22

AGE-SPECIFIC DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA RESIDENTS, 1995-2004

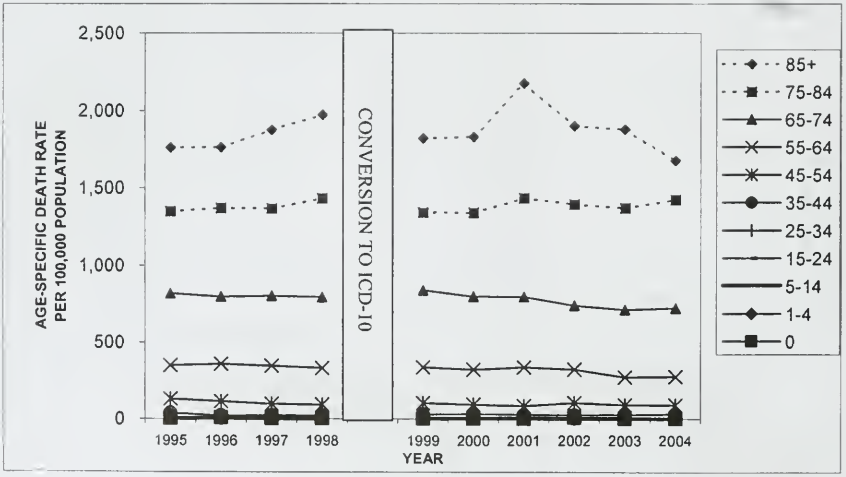
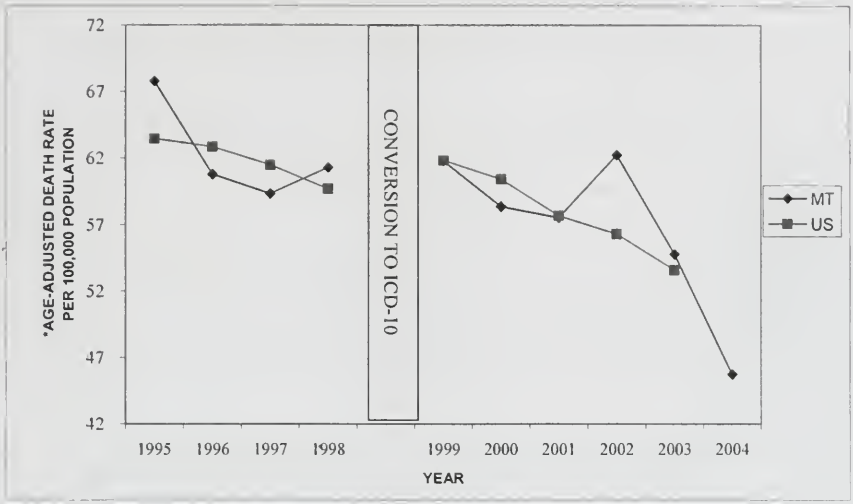


Figure 23

AGE-ADJUSTED* DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:160-I699
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 24

AGE-SPECIFIC DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:160-1699
MONTANA RESIDENTS, 1995-2004

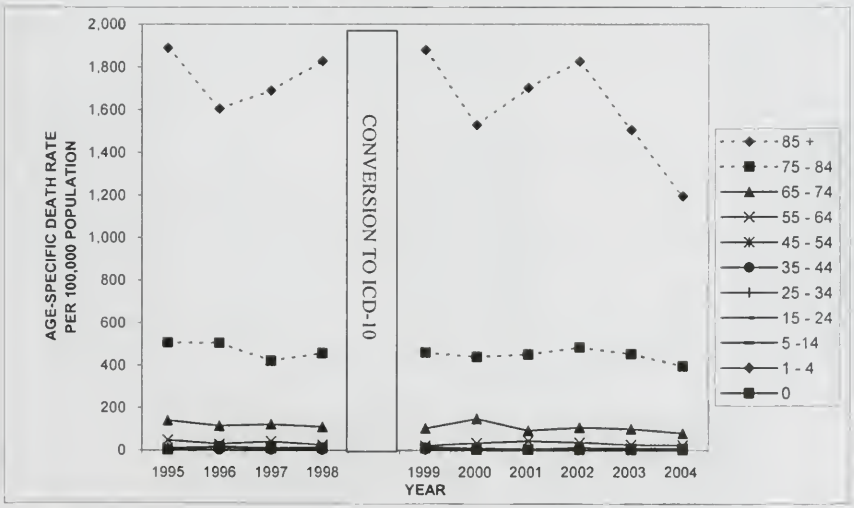
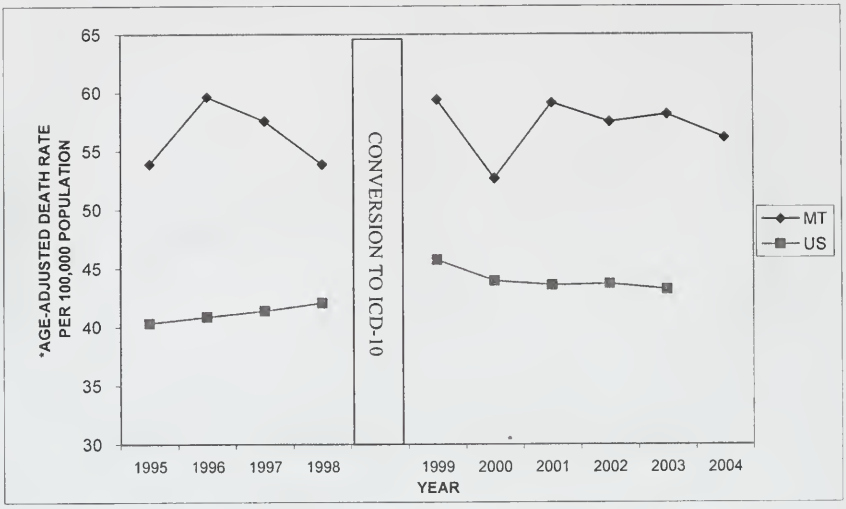


Figure 25

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 26

AGE-SPECIFIC DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA RESIDENTS N, 1995-2004

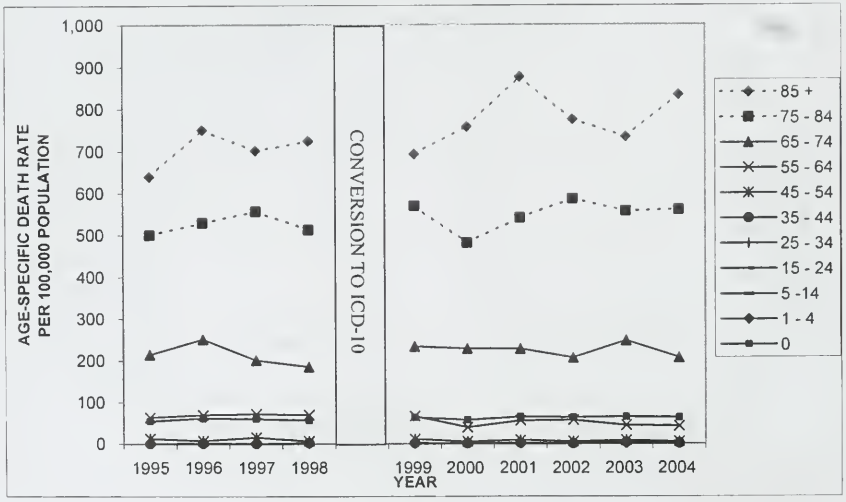
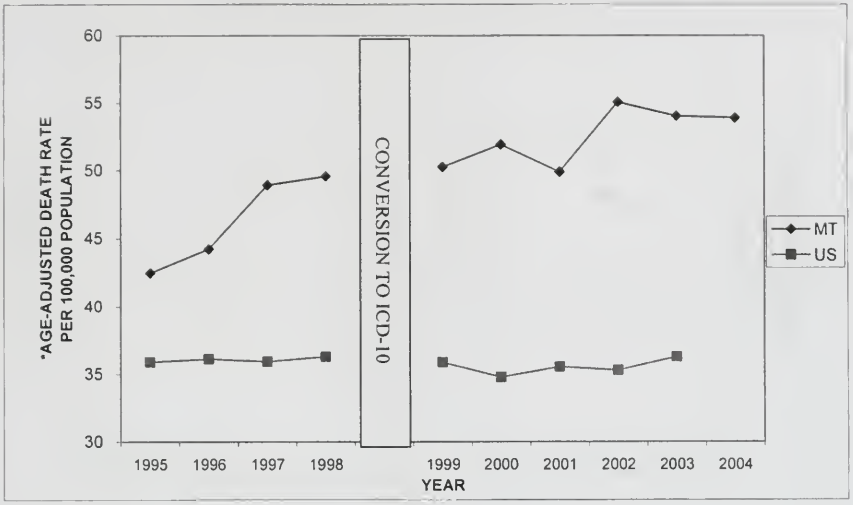


Figure 27

AGE-ADJUSTED* DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 28

AGE-SPECIFIC DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA RESIDENTS, 1995-2004

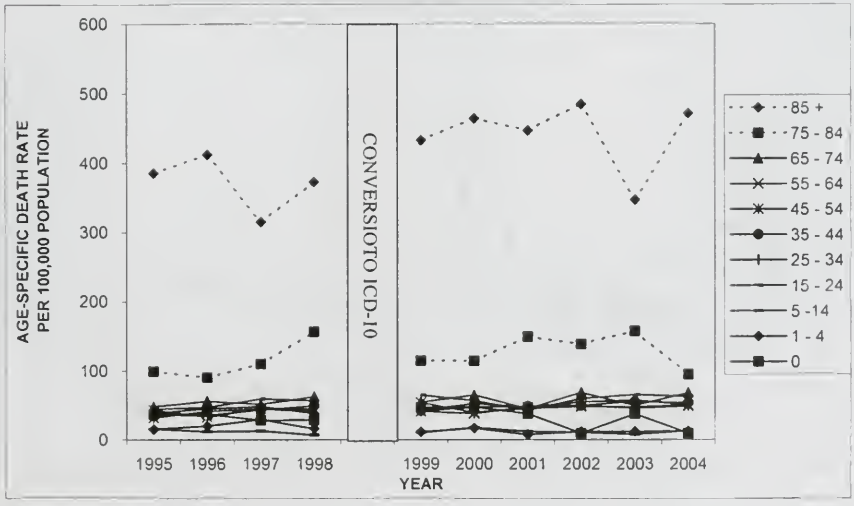
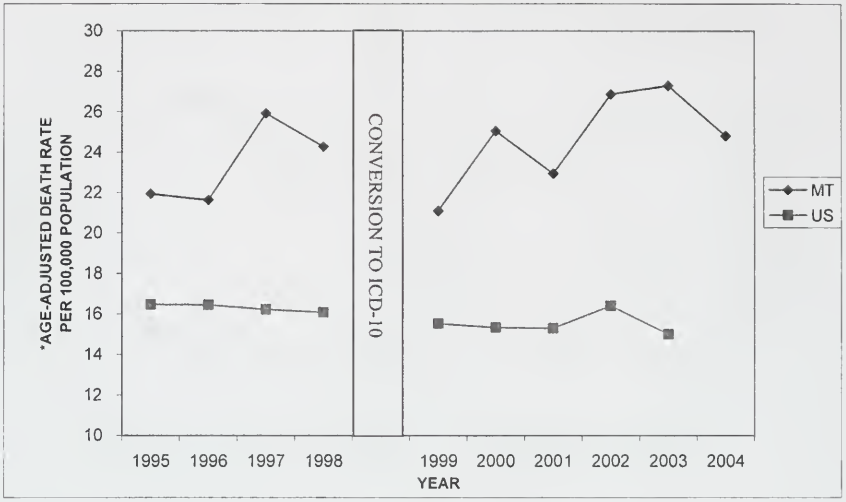


Figure 29

AGE-ADJUSTED* DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA AND U.S. RESIDENTS, 1995-2004**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 30

AGE-SPECIFIC DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1995-2004

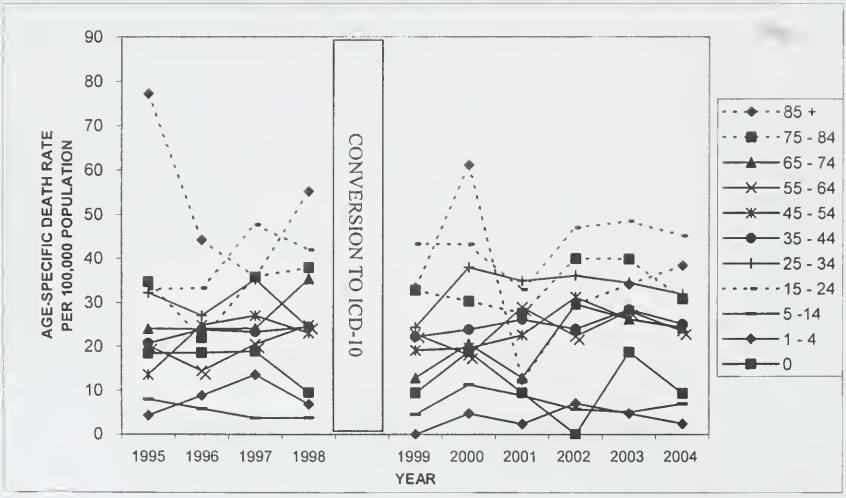
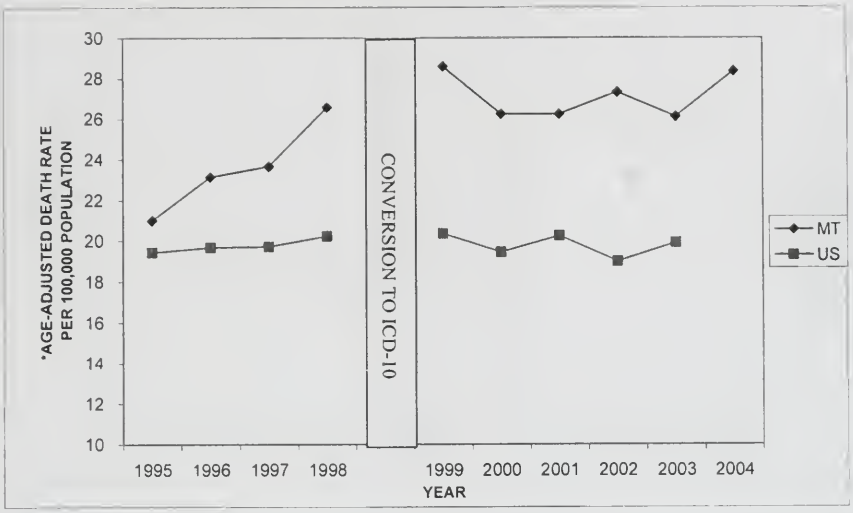


Figure 31

AGE-ADJUSTED* DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1995-2004**



* Adjusted with the direct method to the projected 2000 U.S. population
** The U.S. rates for 2004 are not yet available..

Figure 32

AGE-SPECIFIC DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA RESIDENTS, 1995-2004

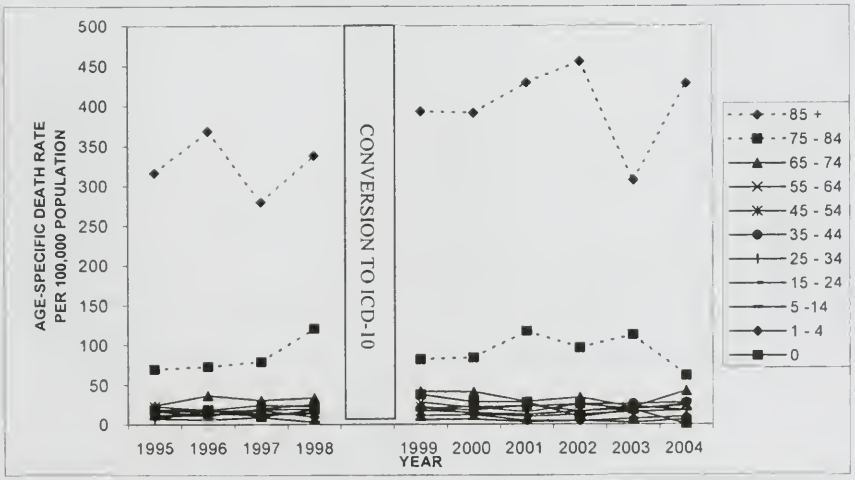
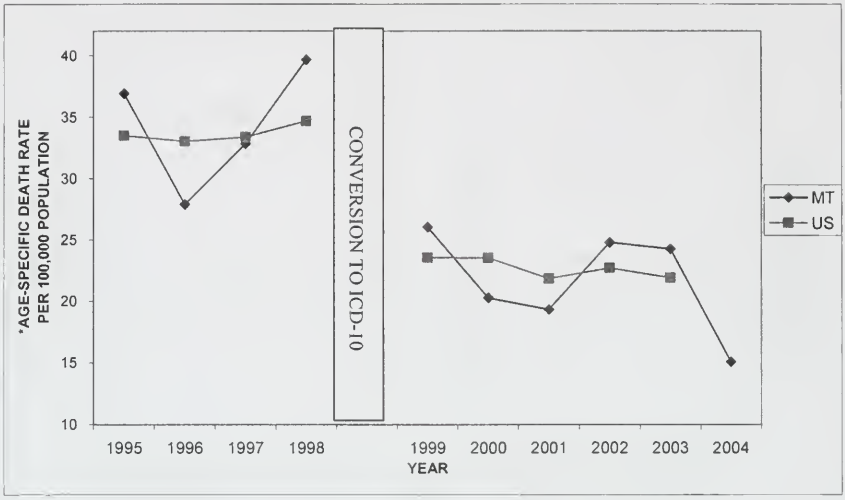


Figure 33

AGE-ADJUSTED*DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 34

AGE-SPECIFIC DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA RESIDENTS, 1995-2004

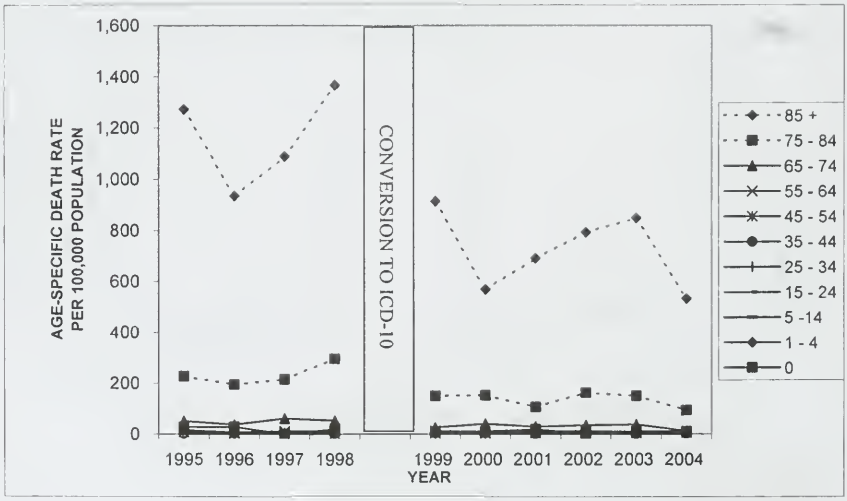
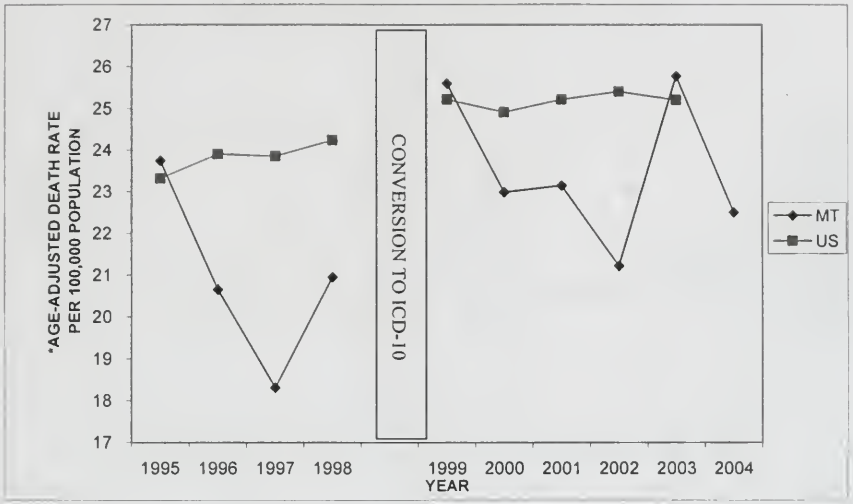


Figure 35

AGE-ADJUSTED* DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 36

AGE-SPECIFIC DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA RESIDENTS, 1995-2004

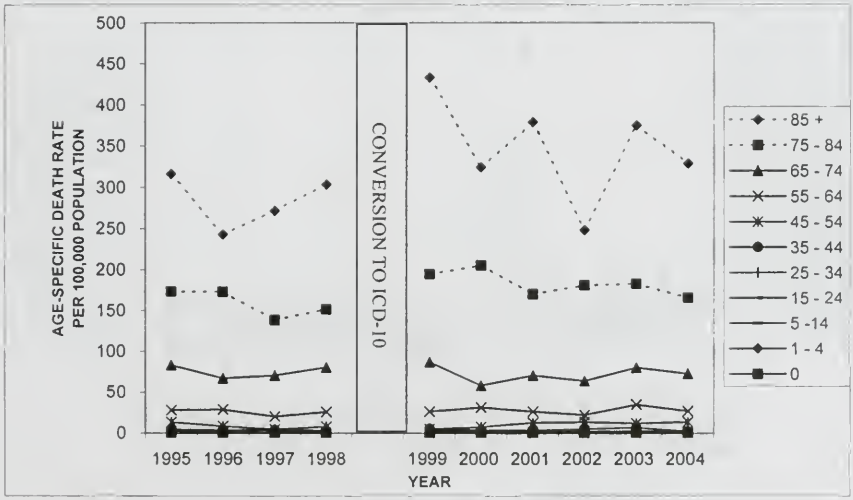
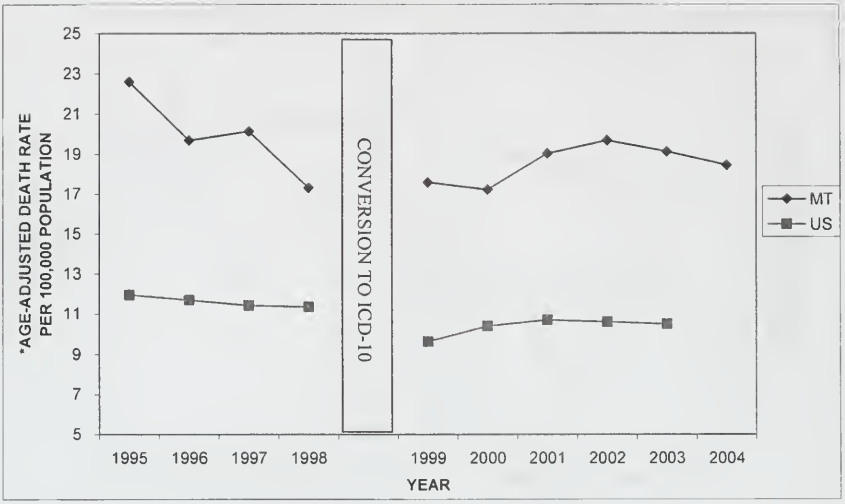


Figure 37

AGE-ADJUSTED* DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 38

AGE-SPECIFIC DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA RESIDENTS, 1995-2004

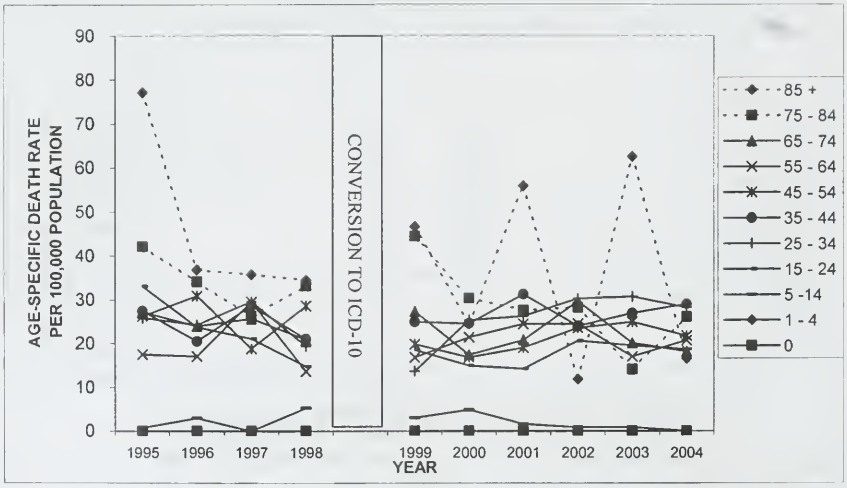
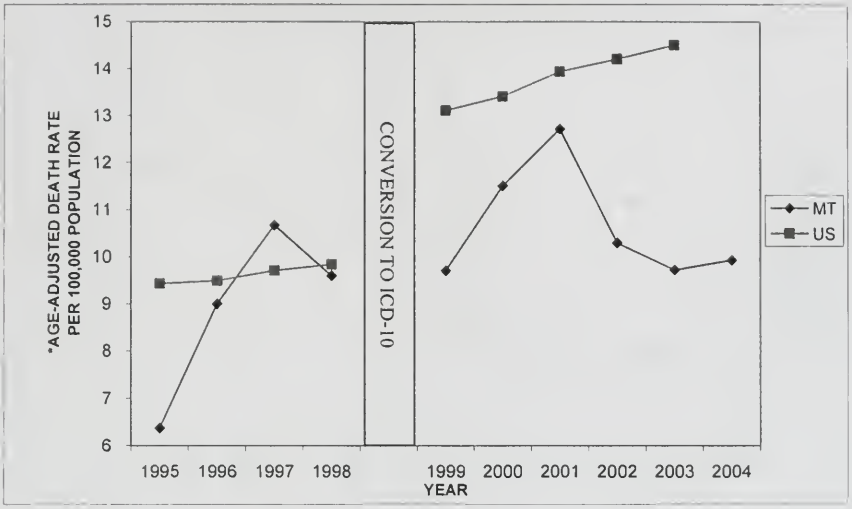


Figure 39

AGE-ADJUSTED* DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA AND U.S.** RESIDENTS, 1995-2004



Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 40

AGE-SPECIFIC DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA RESIDENTS, 1995-2004

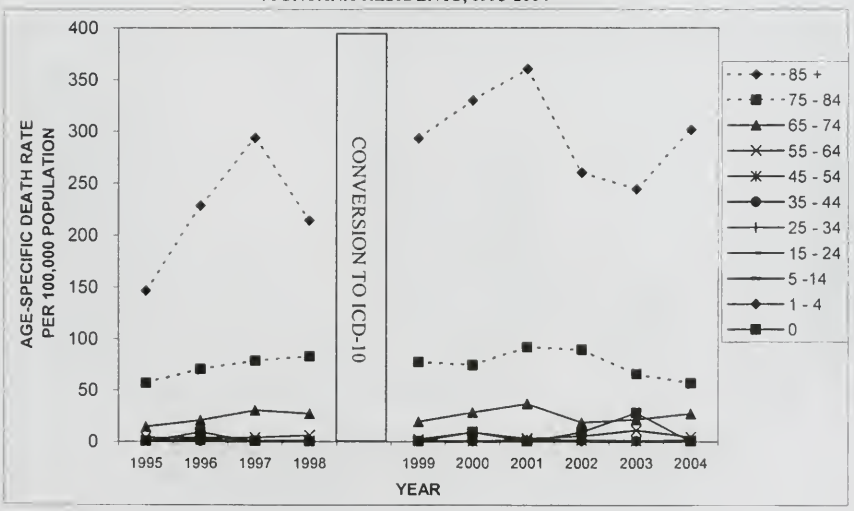
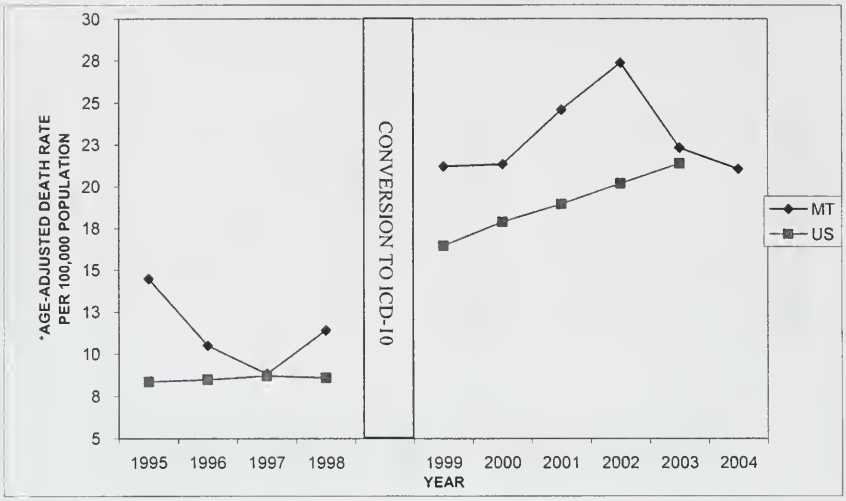


Figure 41

AGE-ADJUSTED* DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA AND U.S. RESIDENTS, 1995-2004**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 42

AGE-SPECIFIC DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA RESIDENTS, 1995-2004

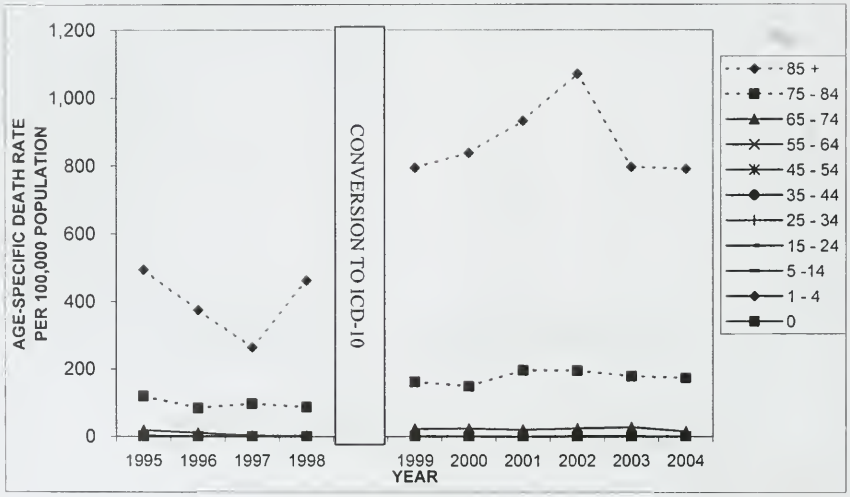
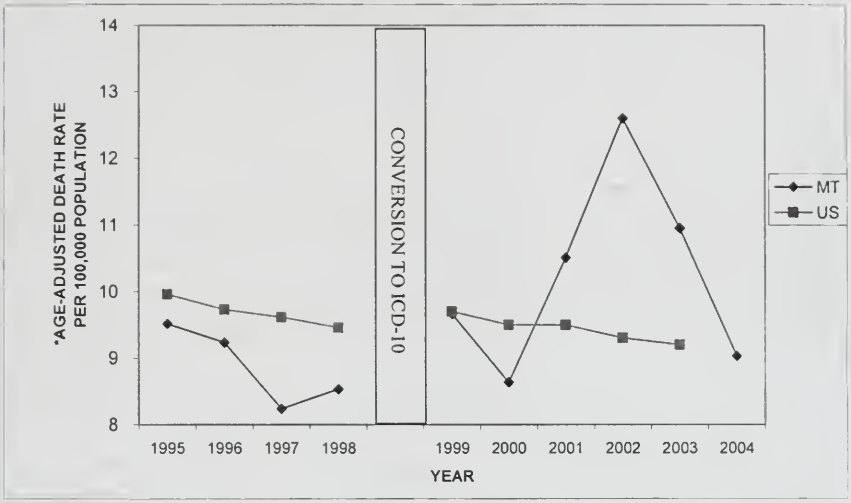


Figure 43

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA AND U.S.** RESIDENTS, 1995-2004



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 44

AGE-SPECIFIC DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA RESIDENTS, 1995-2004

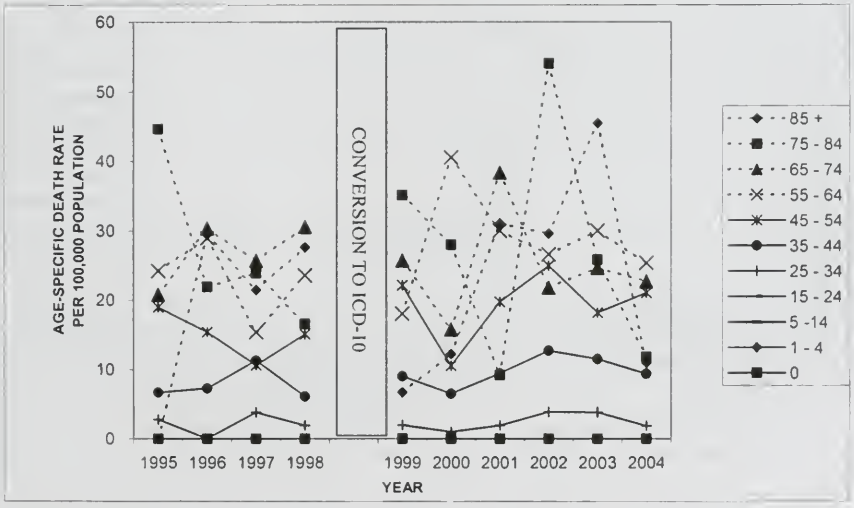
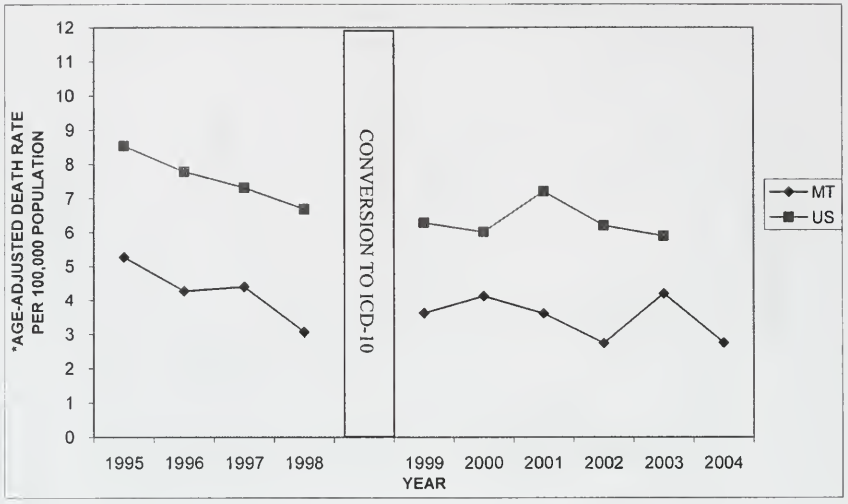


Figure 45

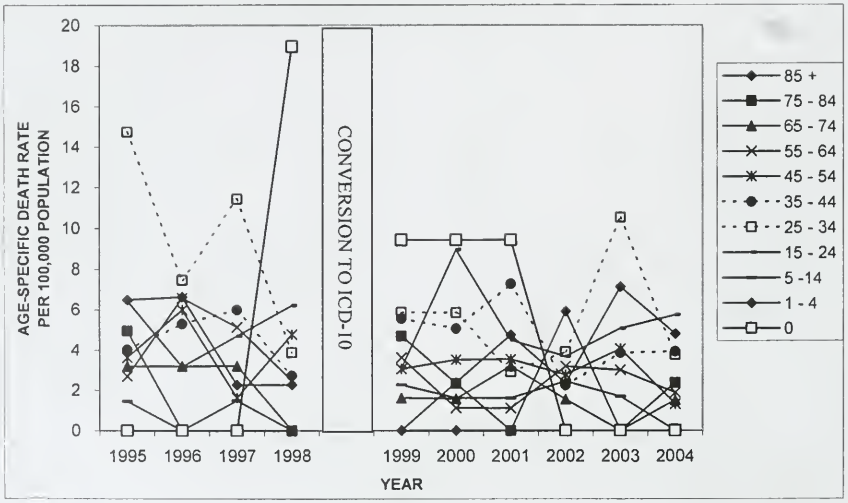
AGE-ADJUSTED DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA AND U.S. RESIDENTS, 1995-2004**



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2003 are preliminary and 2004 are not yet available.

Figure 46

AGE-SPECIFIC DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA RESIDENTS, 1995-2004



In all years displayed, Montana's overall (i.e. all cause) age-adjusted death rates are below or about equal to those for the U.S. Montana's age-adjusted rates are also below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease, cancer, and nephritis (nephritis, nephrotic syndrome, and nephrosis) were lower than those for the U.S in eight or nine of the years for which both Montana and U.S. values are displayed. Montana's rates for, chronic liver disease and cirrhosis were lower than U.S. rates in all of the ICD-9 years but about the same or higher in the ICD-10 years. Montana's rates for one traumatic cause of death, homicide and legal intervention, were lower than the corresponding U.S. rates in all years displayed.

Montana's rates for cerebrovascular disease, pneumonia and influenza, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period. Diabetes rates for Montana were higher than those for the U.S. in one of the four years in which underlying cause of death was determined with the rules of ICD-9 and two times thereafter. The U.S. diabetes rate seems relatively unaffected by the conversion to ICD-10. The Montana diabetes rate appears less stable before and after the conversion, but this may be the result of a change in a relatively small number of deaths from diabetes and have nothing to do with the revision of ICD.
Montana's rates for cerebrovascular disease were higher than those of the U.S. for two of the four years in which ICD-9 coding rules were used and two of the ICD-10 years.

The state rates for chronic lower respiratory disease (C.L.R.D.)--which includes chronic and unspecified bronchitis, emphysema, and asthma--were higher than those for the U.S. in all years displayed. Revision of ICD did not change this relationship. Montana's Alzheimer's rate was virtually the same as that of the U.S. in 1997, but higher in all other years displayed. Revision of ICD substantially increased Alzheimer's rate for both Montana and U.S.

Montana's rates for most unintentional traumatic causes of death; accident (both motor vehicle and non-motor- vehicle) and suicide rates were higher than those for the nation in all years displayed, irrespective of the ICD coding rules. Neither the accident nor the suicide rates appear to have been affected greatly by ICD revision.

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific chronic diseases such as heart disease, cancer, and cerebrovascular disease. There seems to be a slight decrease in pneumonia and influenza rates, but it is not nearly so pronounced. The rates for Alzheimer's, chronic liver disease and cirrhosis, and nephritis are on the increase, although the trends are somewhat inconsistent and, in some cases, possibly affected by the conversion of ICD coding.

The rates for C.L.R.D., diabetes, and suicide are apparently neither increasing nor decreasing consistently. While U.S. death rates for accidents seem stable, Montana's are increasing for both motor vehicle and non-motor- vehicle accidents.

For both Montana and the U.S., age-adjusted death rates for nephritis and Alzheimer's increased after the introduction of ICD-10, suggesting that, to some degree, the increase reflects conversion to the new revision of ICD. The rate for pneumonia and influenza decreased after the conversion to ICD-10. These results are consistent with the comparability ratios for these causes discussed earlier. (See **Figure 1** in the Technical Overview.)

AGE, SEX, AND RACE

Cause of death is age, sex, and race-dependent. Males were more likely than females to die of many of the leading causes of death listed in **Table S-7**. Cancer claimed 963 males and only 895 females. More males than females also died of chronic lower respiratory diseases and chronic liver disease and cirrhosis. The larger difference between males and females, however, was seen in deaths from traumatic causes. About three quarters more males than females died of accidents (337 as opposed to 192). Three times as many males as females died of homicide (76 as opposed to 24). Finally, more than four times as many males as females committed suicide (141 as opposed to 33). There was one major exception, however. While 1,217 males died of heart disease, 1,297 females did so.

It is also instructive than slightly more than a 22.6% of the Native Americans who died in 2004 died of one of the traumatic causes, while 8.2% of whites were claimed by these causes. Motor vehicle accidents caused nearly 10% of Native American deaths but only a little less than two and a half percent of the deaths of whites. Suicide was the underlying cause for 3.7% of Native American deaths but only 2.1% of the deaths of whites. Homicide claimed 1.7% of the Native Americans who died in 2004, but only 0.2% of the whites.

Accidents were more likely to cause the deaths of the young than the old. They accounted for 21.4% of the deaths of those 14 years of age or younger, 59.9% of the deaths of those between the ages of 15 and 24, and 44.6% of those between the ages of 25 and 34 years. By contrast, accidents accounted for 6.5% of the deaths for the entire population (i.e. the "all-age" group). Suicide was the cause of death for 17.4% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.2% of decedents of all ages. Of the suicide victims, 81.0% were males.

As age at death increases, chronic diseases—particularly hear disease and cancer—become more likely as the cause of death. Cancer, followed by heart disease, was the leading cause of death for all of the age categories between 45 and 74 years. However, for the age categories 75 and older, heart disease was the leading cause, with cancer second.

For the all-age category, cancer (23.0 %) was the leading cause of death, followed closely by heart disease (22.7%). Chronic lower respiratory disease (C.L.R.D.) at 7.2%, accidents at 6.5%, cerebrovascular disease (6.0 %) and diabetes, Alzheimer's, suicide, pneumonia and influenza and nephritis, nephrotic syndrome and nephrosis were a distant fifth through tenth, respectively. Frequencies and crude rates for the ten leading causes of death are shown for Montana and each of its counties in **Table S-6**.

Figure 47 displays frequencies of death for Montanans in 2004 by race, sex, and selected major cause of death.

Figure 47

FREQUENCY OF DEATH BY SELECTED CAUSE, RACE, AND SEX
MONTANA RESIDENTS, 2004

Cause of Death	All Races Male	All Races Female	White Male	White Female	Native American Male	Native American Female
All Causes	4,064	4,019	3,506	3,500	328	346
Cancer	963	895	859	779	65	82
Heart Disease	933	901	811	800	83	70
Chronic Lower Respiratory Diseases	314	264	290	239	19	19
Accidents	337	192	264	155	22	19
Cerebrovascular Disease	205	279	186	236	15	36
Diabetes Mellitus	114	122	88	106	8	6
Alzheimer's Disease	69	159	59	142	10	17
Suicide	141	33	113	31	14	1
Pneumonia & Influenza	78	87	71	73	6	9
Nephritis, Nephrotic Syndrome, and Nephrosis	51	56	43	52	5	1
Chronc Liver Disease and Cirrhosis	57	38	42	22	7	0
Homicide	19	6	8	5	4	1
All Other Causes	783	987	672	860	70	85

As was mentioned in the Technical Overview of this report, the Montana death certificate, beginning in 2003, records race in greater detail than in the past. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a much greater proportion of decedents classified by two or more races. This different manner of counting deaths by race could very possibly alter the outcome of mortality ratios calculated for the various races and affect apparent racial disparities. **Figure 48** displays the distribution of decedents by race for the last decade, by year of death.

Figure 48

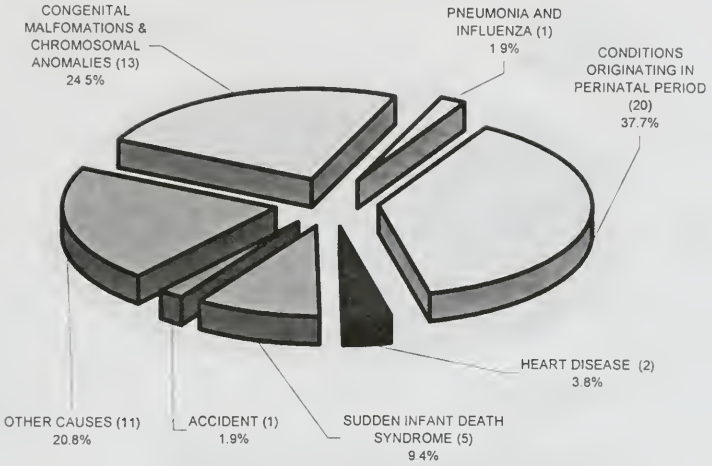
FREQUENCY AND PERCENT DISTRIBUTION OF DEATH BY RACE
MONTANA RESIDENTS, 1995-2004

RACE	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
ALL RACES	7,614	7,686	7,730	7,960	8,082	8,071	8,252	8,473	8,445	8,083
WHITE	7,225	7,340	7,374	7,590	7,618	7,668	7,839	8,003	7,207	7,006
Percent	94.9	95.5	95.4	95.4	94.3	95.0	95.0	94.5	85.3	86.7
NATIVE AMERICAN	360	316	333	345	429	366	385	433	402	403
Percent	4.7	4.1	4.3	4.3	5.3	4.5	4.7	5.1	4.8	5.0
OTHER SINGLE RACE	26	27	21	19	32	36	25	34	41	27
Percent	0.3	0.4	0.3	0.2	0.4	0.4	0.3	0.4	0.5	0.3
MULTI-RACE	1	0	1	1	0	0	0	1	791	633
Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	7.8
UNKNOWN	2	3	1	5	3	1	3	2	4	14
Percent	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2

Figure 49

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2004

UNDER 1 YEAR OF AGE, TOTAL (53)


CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES (13) 24 5%
PNEUMONIA AND INFLUENZA (1) 1 9%
CONDITIONS ORIGINATING IN PERINATAL PERIOD (20) 37.7%
HEART DISEASE (2) 3.8%
OTHER CAUSES (11) 20.8%
ACCIDENT (1) 1.9%
SUDDEN INFANT DEATH SYNDROME (5) 9 4%

1 - 4 YEARS OF AGE, TOTAL (16)

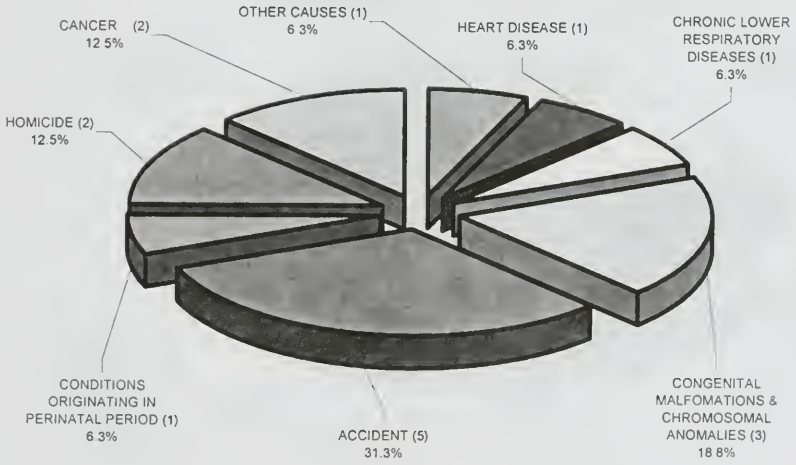

CANCER (2) 12 5%
OTHER CAUSES (1) 6 3%
HEART DISEASE (1) 6.3%
CHRONIC LOWER RESPIRATORY DISEASES (1) 6.3%
HOMICIDE (2) 12.5%
CONDITIONS ORIGINATING IN PERINATAL PERIOD (1) 6 3%
ACCIDENT (5) 31.3%
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES (3) 18 8%

Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2004

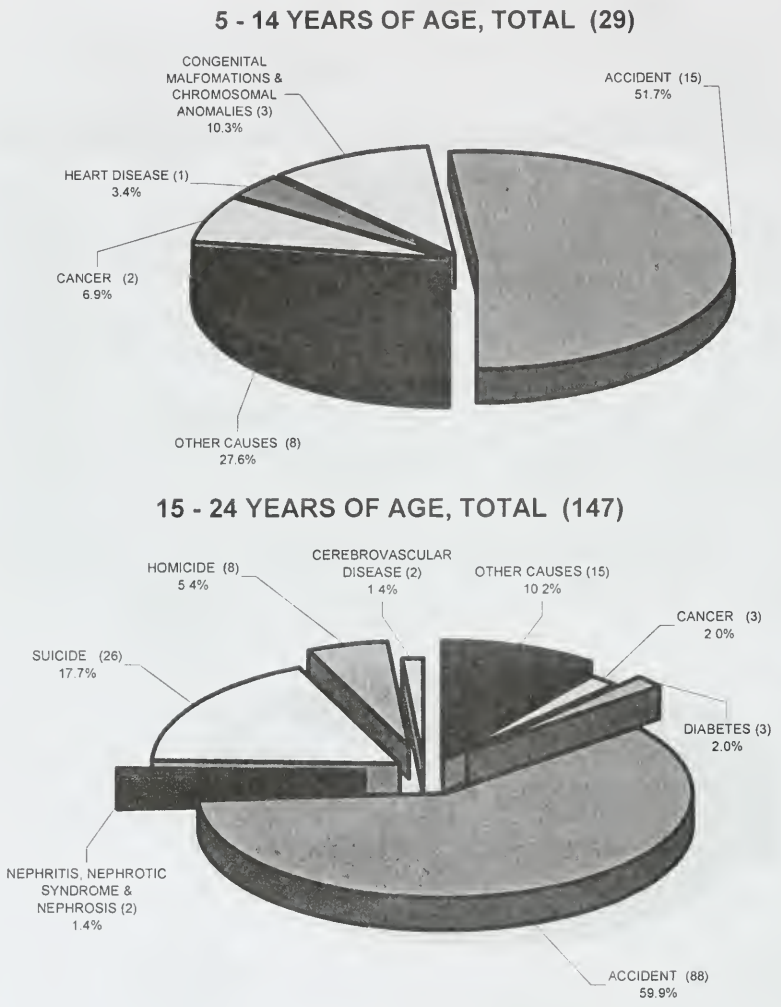
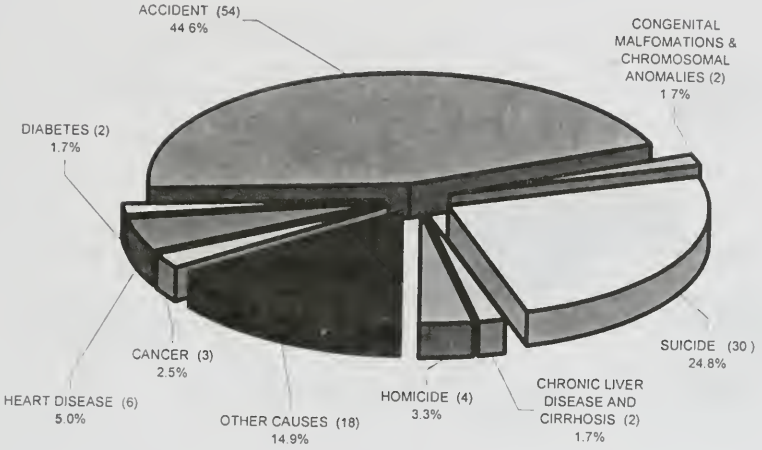

5 - 14 YEARS OF AGE, TOTAL (29)
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES (3) 10.3%
ACCIDENT (15) 51.7%
HEART DISEASE (1) 3.4%
CANCER (2) 6.9%
OTHER CAUSES (8) 27.6%
15 - 24 YEARS OF AGE, TOTAL (147)
HOMICIDE (8) 5.4%
CEREBROVASCULAR DISEASE (2) 1.4%
OTHER CAUSES (15) 10.2%
CANCER (3) 2.0%
SUICIDE (26) 17.7%
DIABETES (3) 2.0%
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS (2) 1.4%
ACCIDENT (88) 59.9%

Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2004

25 - 34 YEARS OF AGE, TOTAL (121)



35 - 44 YEARS OF AGE, TOTAL (267)

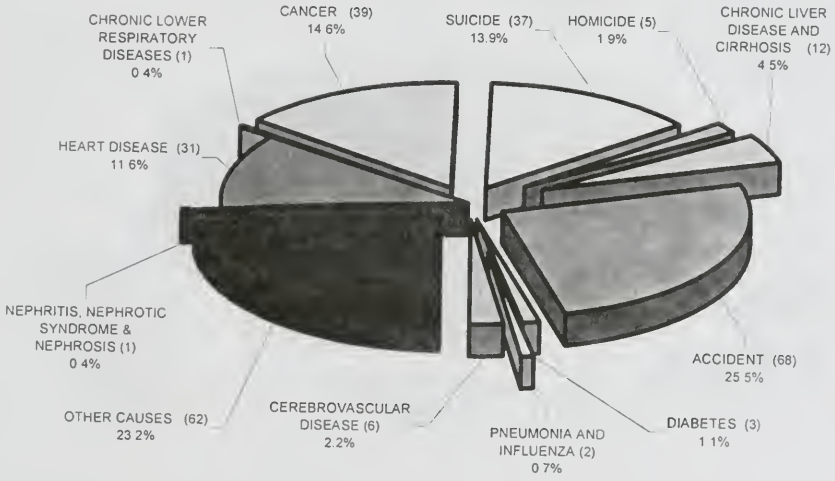
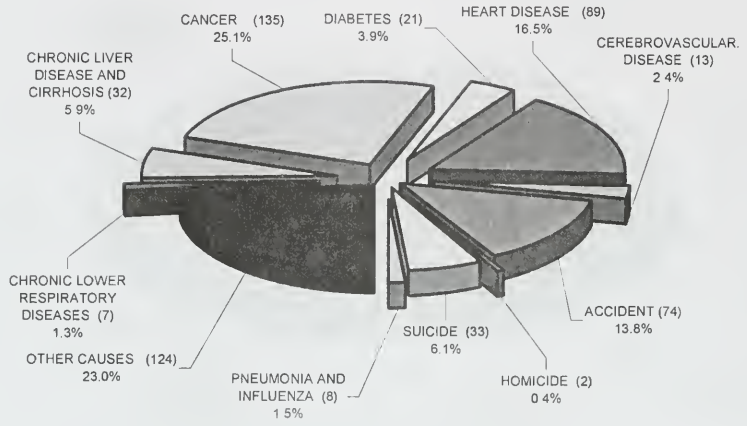


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2004

45 - 54 YEARS OF AGE, TOTAL (538)



55 - 64 YEARS OF AGE,TOTAL (842)

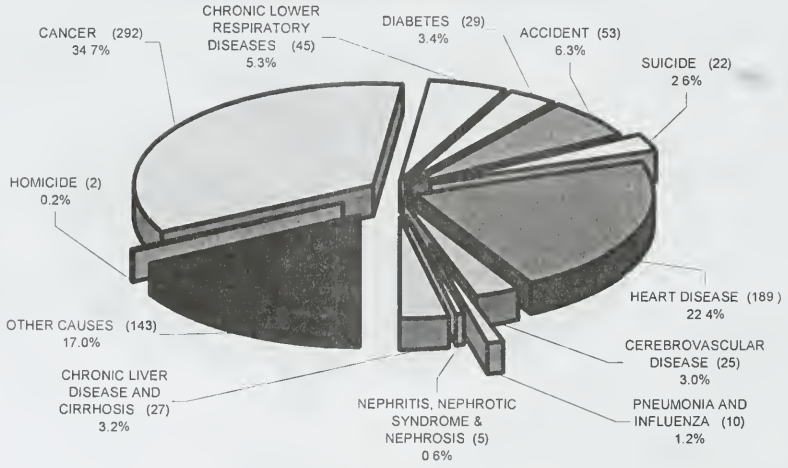
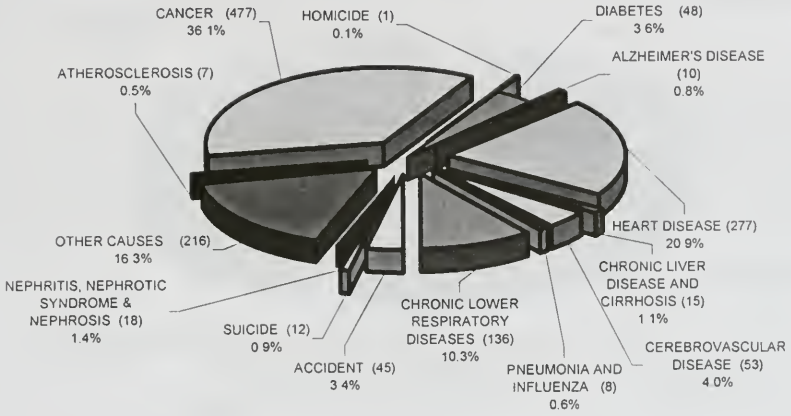


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2004

65 - 74 YEARS OF AGE, TOTAL (1,323)



75 - 84 YEARS OF AGE, TOTAL (2,282)

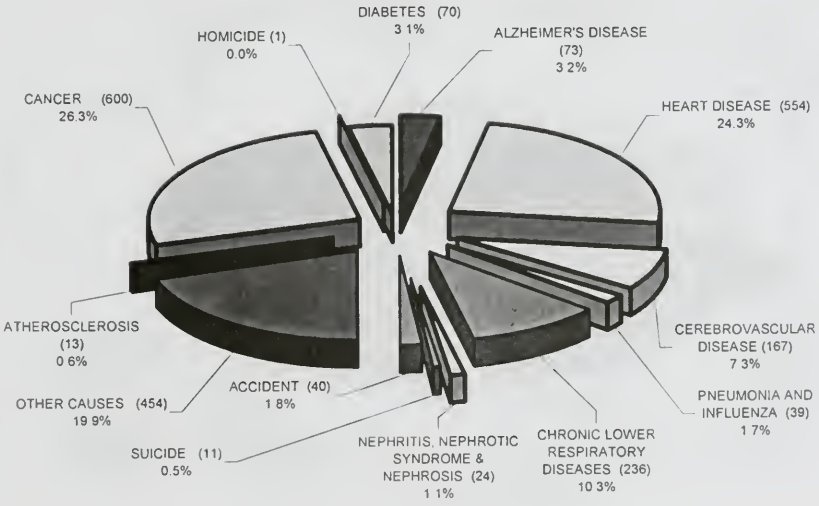
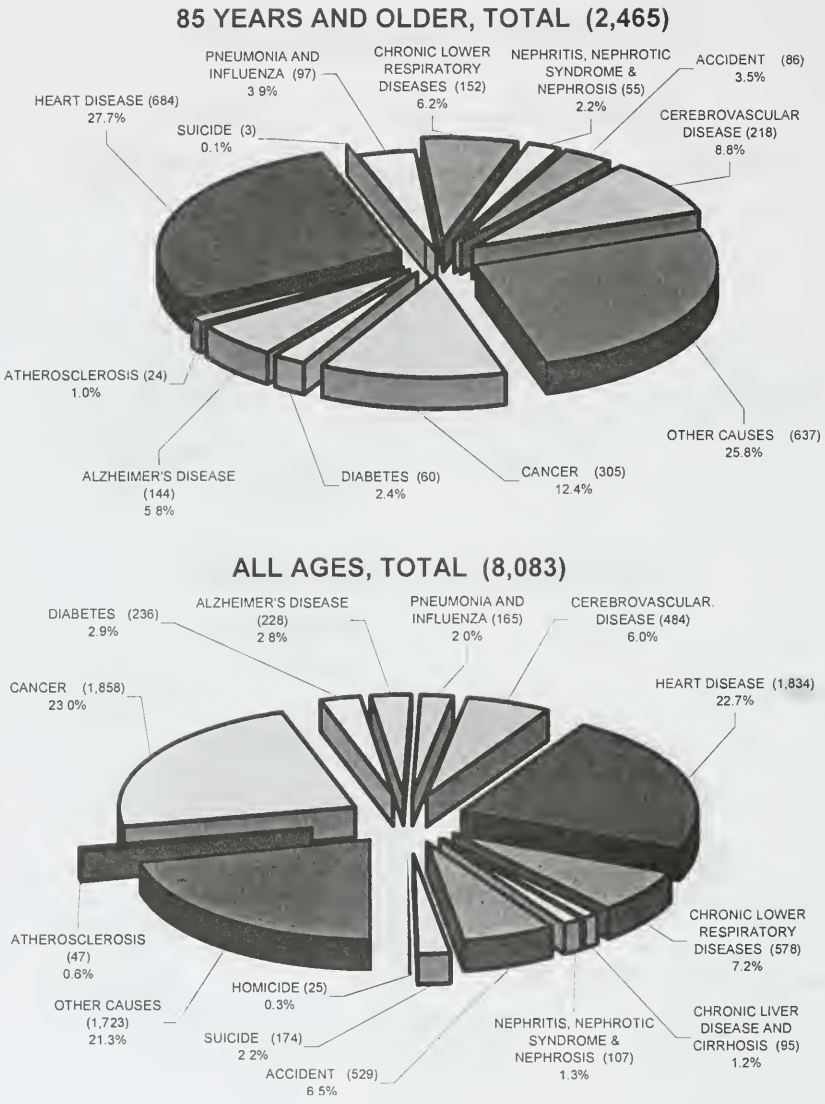


Figure 49 (Concluded)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2004


85 YEARS AND OLDER, TOTAL (2,465)
PNEUMONIA AND INFLUENZA (97) 3 9%
CHRONIC LOWER RESPIRATORY DISEASES (152) 6.2%
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS (55) 2.2%
ACCIDENT (86) 3.5%
HEART DISEASE (684) 27.7%
SUICIDE (3) 0.1%
CEREBROVASCULAR DISEASE (218) 8.8%
ATHEROSCLEROSIS (24) 1.0%
OTHER CAUSES (637) 25.8%
ALZHEIMER'S DISEASE (144) 5 8%
DIABETES (60) 2.4%
CANCER (305) 12.4%
ALL AGES, TOTAL (8,083)
DIABETES (236) 2.9%
ALZHEIMER'S DISEASE (228) 2 8%
PNEUMONIA AND INFLUENZA (165) 2 0%
CEREBROVASCULAR. DISEASE (484) 6.0%
CANCER (1,858) 23 0%
HEART DISEASE (1,834) 22.7%
CHRONIC LOWER RESPIRATORY DISEASES (578) 7.2%
ATHEROSCLEROSIS (47) 0.6%
HOMICIDE (25) 0.3%
OTHER CAUSES (1,723) 21.3%
SUICIDE (174) 2 2%
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS (107) 1.3%
CHRONIC LIVER DISEASE AND CIRRHOSIS (95) 1.2%
ACCIDENT (529) 6 5%

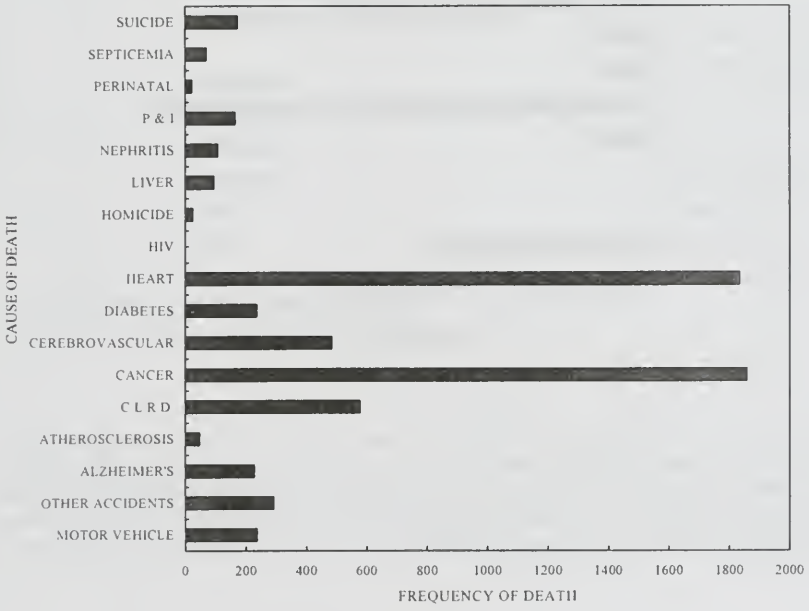
YEARS OF POTENTIAL LIFE LOST

The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the "premature years of potential life lost" calculation, which is easily understood and is used by the Center for Disease Control and Prevention (CDC). For each decedent younger than 75, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

Frequencies and crude population-based rates for the ten leading causes of death for Montana residents are reported in **Table S-7**. The ten leading causes are: cancer (23.0% of all resident deaths), heart disease (22.7%), chronic lower respiratory diseases (CLRD) (7.2%), accidents (6.5%), cerebrovascular disease (6.0%), diabetes (2.9%), Alzheimer's disease (2.8%), suicide (2.2%), pneumonia and influenza (2.0%), and nephritis, nephrotic syndrome, and nephrosis (1.3%). **Figure 50** represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2004 are reflected in this figure.

Figure 50

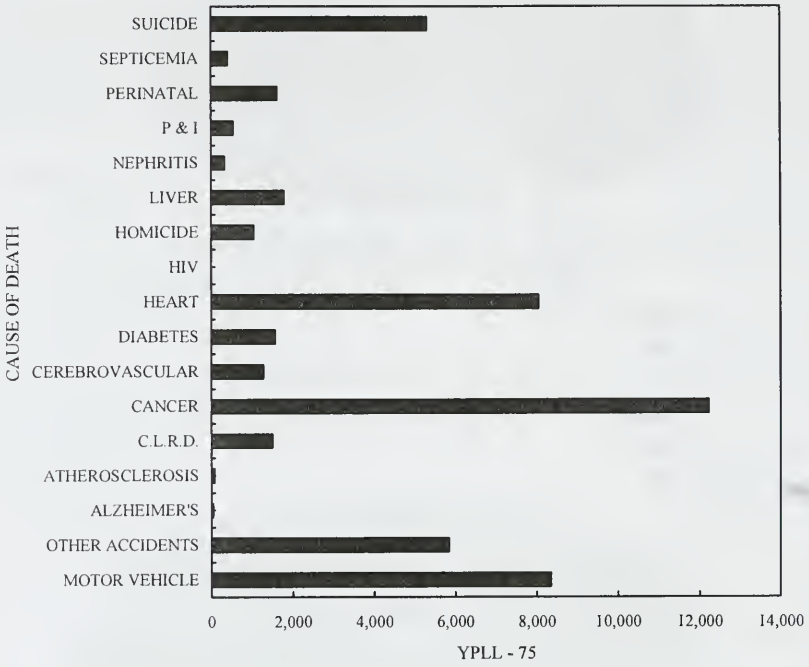
FREQUENCY OF DEATH BY CAUSE OF DEATH
MONTANA RESIDENTS, 2004



An alternative perspective, YPLL-75, is shown in **Figure 51**. Only decedents younger than 75 at the time of death are reflected in this figure Accidents (both motor and non-motor-vehicle), homicide, and suicide comprise only 9.0% of the deaths in 2004 but accounted for 32.7% of the total losses as measured by YPLL-75. This disparity in proportions, with less than a tenth of the deaths accounting for nearly a third of all years lost, points to the exaggerated cost of the typical death from traumatic causes.

Figure 51

TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2004

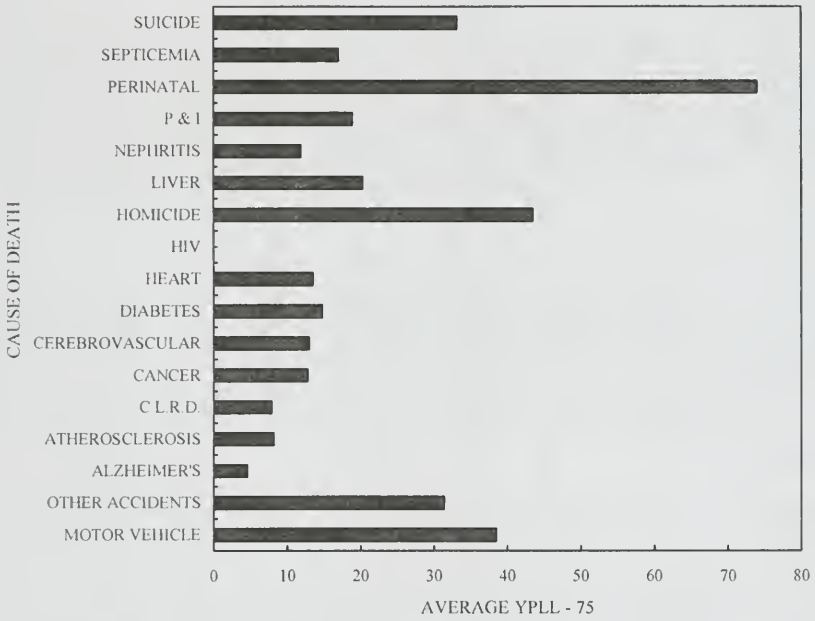


In 2004, the total loss of life before age 75 was 62,801 years. The loss to society resulting from cancer was 19.5% of all years lost. Accidental deaths of any type accounted for 22.6% of total YPLL, with motor vehicle accidents accounting for 13.3% and non-motor-vehicle accidents accounting for 9.3%. Heart disease also caused large losses to society, accounting for 8,053 years lost (12.8%). Other deaths from traumatic injury, suicide and homicide, accounted for 8.5% and 1.6%, respectively.

Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of age (in both cases more than half the decedents were younger than 75 years of age at death). The YPLL-75 perspective does reorder the ranking of the leading causes of death, highlighting areas the CDC has said "provide the greatest potential for health improvement." (Morbidity and Mortality Weekly Report, June 20, 1997) Frequency of accidental deaths was ranked 4th but this cause of death is ranked 1st in terms of YPLL-75, indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide ranked 10th by frequency, but became the 4th leading cause when measured by total YPLL-75.

Figure 52

AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2004



Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age. While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. This measure is shown in **Figure 52**.

Figure 53

AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 2004

CAUSE OF DEATH	AVERAGE YPLL - 75	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL – 75	MINIMUM AGE	MEAN AGE	MEDIAN AGE	MODAL AGE	MAXIMUM AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
ALL CAUSES	18.8	3,336	62,801	0	73.3	78	82	107	18.6	8083
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	74.0	22	1,627	0	1.0	0	0	21	4.5	22
ASSAULT (HOMICIDE)	43.5	24	1,043	1	33.3	29	18	75	18.8	25
MOTOR VEHICLE ACCIDENTS	38.5	217	8,351	0	40.4	38	18	91	20.8	237
INTENTIONAL SELF-HARM (SUICIDE)	33.2	160	5,310	16	44.9	43	18	88	17.9	174
NON-MOTOR-VEHICLE ACCIDENTS	31.4	186	5,840	1	59.8	62	87	104	26.3	292
CHRONIC LIVER DISEASE AND CIRRHOSIS	20.3	88	1,787	33	56.5	55	46	89	11.9	95
PNEUMONIA & INFLUENZA	18.9	29	549	0	82.4	86	85	102	14.6	165
SEPTICEMIA	17.0	24	409	22	76.5	80	80	102	16.2	70
DIABETES	14.8	106	1,572	20	73.5	77	80	100	15.1	236
HEART DISEASE	13.5	596	8,053	0	78.0	81	84	103	14.0	1,834
CEREBROVASCULAR DISEASE	13.0	99	1,283	22	81.2	84	84	101	12.2	484
CANCER	12.8	953	12,230	2	72.1	74	80	102	13.0	1858
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	11.9	28	332	16	80.7	85	87	100	13.6	107
ATHEROSCLEROSIS	8.2	10	82	49	83.1	85	79	102	11.7	47
CHRONIC LOWER RESPIRATORY DISEASES	7.9	190	1,505	2	77.9	79	82	98	9.8	578
ALZHEIMER'S	4.6	11	51	55	86.7	87	88	105	7.2	228
HIV INFECTION	NA	0	NA	NA	NA	NA	NA	NA	NA	0
OTHER CAUSES	21.5	593	12,777	0	74.5	81	84	107	20.4	1,631

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. The *standard deviation* measures the concentration of the distribution around the mean.

The category "conditions originating in the perinatal period" showed the greatest average loss to an individual (74.0 years lost). Traumatic causes of death--including motor vehicle accidents (38.5 years), other accidents

(31.4), homicide (43.5), and suicide (33.2)—occupied the next four highest ranks
Figure 53 summarizes average and total YPLL-75, frequency of death, and age at death in tabular form for these same 17 causes of death (note that Montana had no HIV deaths in 2004). The left side of the table shows YPLL-75 and related measures. The right side of the table shows statistics referring to all decedents, regardless of age. Specific causes of death are shown in descending order of average years of life lost before age 75.

In general, average YPLL-75 was high when median age was low. For instance, Alzheimer's victims had the lowest associated average YPLL-75, 4.6 years per decedent younger than 75, and the highest associated median age, 87 years. There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question. Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer or heart disease, relatively few residents died of conditions arising in the perinatal period, but 20 of these decedents died with in the first year of life and contributed the maximum number of years (75) to total YPLL-75.

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it has a decided disadvantage in that some data—the records of the older decedents—are excluded from the calculations. More than half of the decedents who died from septicemia, pneumonia and influenza, nephritis, heart disease, diabetes, cerebrovascular disease, chronic lower respiratory disease, atherosclerosis, and Alzheimer's are excluded from YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population, it does so at the cost of diverting attention from the causes of death affecting older members.

CANCER INCIDENCE

CANCER INCIDENCE BY PRIMARY SITE

This section contains a report on Montana's cancer incidence data for the diagnosis year 2004, reported as of October 2005 to the Montana Central Tumor Registry. Mortality data in this report are shown for the entire calendar year. Incidence cancer cases diagnosed in 2004 were approximately 75% completed on this date with 3,843 new cancer diagnoses having been reported for 2004. The expected number of Montana cancer cases for 2004 is 5,150. Estimates of Montana's expected cancer cases are based on the North American Association of Central Cancer Registries (NAACCR) method. The expected incidence rate for Montana was computed from Montana race-sex-site-specific age-adjusted death rates (2000 U.S.) and incidence-to-mortality (I/M) rate ratios computed from SEER race-sex-site-specific age-adjusted (2000 U.S.) incidence rates and U.S. race-sex-site-specific age-adjusted death rates (2000 U.S.).

Table C-1 shows reported incidence of cancer for Montana residents diagnosed from 1995-2004 (10-year incidence). While previous reports showed cancer incidence data for one year, this report tabulates cancer incidence for 10 years and the data should not be compared with those in previous publications. The table shows cancer incidence by sex and by primary site--the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the prostate (17.1% of all cancer diagnoses), female breast (16.9%), the lung and bronchus (14.0%), the colon (7.6%), melanoma (2.8%), the urinary bladder (4.7%), Hodgkin and Non-Hodgkin Lymphoma (4.4%), and the rectum and rectosigmoid (2.9%). Invasive cervical cancer accounted for less than 1% of cancer diagnoses (3.9% for both in-situ and malignant) for Montanans for 1995-2004. However, 1,395 of the 1,776 cervical cancers were in-situ--that is, non-invasive. Testicular cancer also accounted for less than 1% of cancer diagnoses—only 257 cases were reported in 1995-2004.

Table C-2 shows the incidence of cancer for the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 50 or older. Diagnoses of breast cancer in women generally began in their late thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 1995-2004, Montanans diagnosed with cancer of the lung and bronchus or the urinary bladder were most likely to be men aged 50 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 50 years of age or older. The distribution of 1995-2004 cancer diagnoses by site, sex, and county of residence is shown in **Table C-3** for the 10 most frequently diagnosed primary sites.

Figures 54, 56, 58, and 60 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer, respectively. The stage of disease is recorded at the time of diagnosis and is not updated as the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 55, 57, 59, and 61 show the five-year relative survival rates for these same cancers, comparing Montana and the United States (SEER). The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to account for patients dying from causes other than cancer.

PROSTATE CANCER

Prostate cancer was the most common cancer diagnosed in men in Montana and the United States, with 7,784 cases reported for 1995-2004 and 769 cases reported for 2004 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is primarily a disease of the elderly, as the median age at diagnosis is 70. In 2004, 109 Montana residents died of prostate cancer (**Tables D-1, D-2, D-5, and D-6**), making it the fourth leading cause of cancer deaths.

Figure 54 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1995 through 2004. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. In 2004, 88% of prostate cancers were diagnosed at a local stage. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 5% in 1995 to 3% in 2004. The Prostate-Specific Antigen (PSA) test has been useful in detecting prostate cancer at earlier stages. About 90% of cancers of the prostate are characterized as adenocarcinomas. Unlike previous reports, cases diagnosed at an in-situ stage are removed from the table, since they are not counted and used in the computation in other national reports. The percent of unknown stage at diagnosis for 2004 decreased to 0% because the Collaborative Staging System was implemented in 2004 and all cases are staged. This system also increased local stage at diagnosis to 88%.

Figure 54

DIAGNOSIS OF PROSTATE CANCER
MONTANA RESIDENTS, 1995-2004

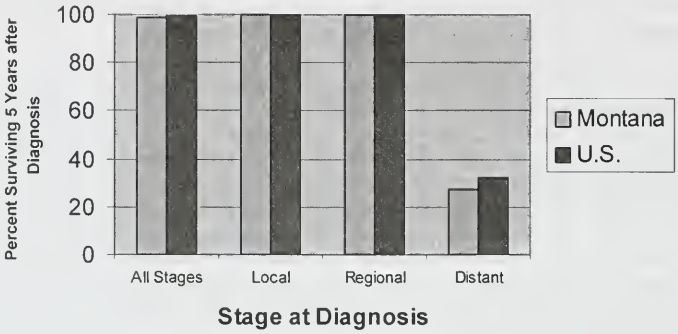
Year of Diagnosis	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Number of Cases Diagnosed	744	686	669	735	772	805	834	905	865	769
Percent Stage at Diagnosis*										
Local	60%	57%	60%	64%	63%	68%	71%	75%	73%	88%
Regional	13%	16%	13%	13%	15%	12%	10%	11%	13%	9%
Distant	5%	5%	6%	5%	3%	4%	4%	3%	4%	3%
Unknown	22%	21%	22%	17%	19%	15%	15%	11%	10%	0%

* Percents may not add to 100% because of rounding.

Figure 55 shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. One hundred percent of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 30% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the fourth leading cause of cancer deaths among Montanans in 2004.

Figure 55

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR PROSTATE CANCER MONTANA AND THE UNITED STATES, 1995-2004



Prostate cancer is generally treated with surgery or radiation. About 45% of patient's diagnosed with prostate cancer have surgery (prostatectomy) within four months after diagnosis. Patients with early stage prostate cancer often opt for no treatment, but their physicians must watch these patients closely. About 25% of prostate cancer patients are treated with radiation. About 20% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women with 7,669 cases reported for 1995-2004 and 619 cases reported for 2004. It was the underlying cause of death for 115 female Montanans and one male, making breast cancer the third leading cause of cancer deaths in 2004 (**Tables D-1, D-2, D-5, and D-6**). Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 2004, 22% were diagnosed at an in-situ stage, 49% of breast cancers at a local stage, 22% at a regional stage, and 3% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 56**. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at local and regional stages has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. It is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade.

Figure 56

DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1995-2004

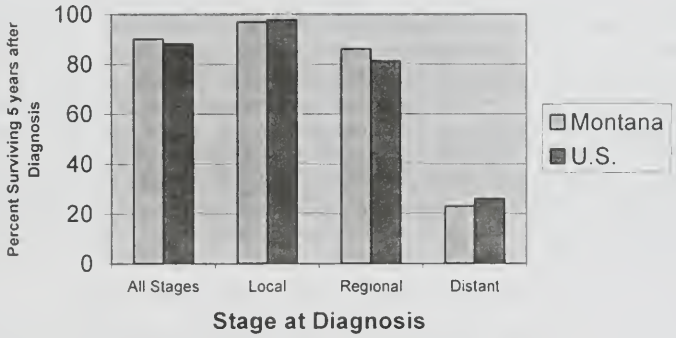
Year of Diagnosis		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Number of Cases Diagnosed	Males	1	1	6	5	5	2	5	2	4	6
	Females	693	762	739	774	832	825	855	767	803	619
Percent Stage at Diagnosis*											
In-Situ		12%	11%	13%	14%	17%	18%	20%	20%	20%	22%
Local		55%	54%	50%	53%	52%	54%	49%	51%	50%	49%
Regional		21%	24%	28%	26%	23%	22%	24%	22%	24%	22%
Distant		4%	4%	3%	2%	3%	3%	3%	2%	3%	3%
Unknown		7%	7%	5%	4%	6%	4%	4%	4%	3%	4%

* Percents may not add to 100% because of rounding

Figure 57 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, 97% of women survived 5 years if diagnosed at a local stage and about 86% if diagnosed at a regional stage. If the cancer was diagnosed at a distant stage, the rate of survival was 23%. Breast cancer is treated in a variety of ways. About 90% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 40% are treated with radiation. About 40% are treated with both surgery and radiation. About 35% of patients are treated with chemotherapy, hormonal therapy or both. Almost 75% of breast cancers are duct cell carcinomas and over 10% are lobular carcinomas, which are a form of adenocarcinoma of the mammary gland.

Figure 57

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1995-2004



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer). In the years 1995-2004, 6,371 cancer cases have been reported and in 2004, 493 cases have been reported. It was the underlying cause of death for 534 Montanans (**Tables D-1, D-2, D-5, and D-6**), making it the leading cause of cancer deaths.

The number of cases diagnosed and the stage at diagnosis for lung cancer diagnoses of Montanans are shown in **Figure 58**. In 2004, 50% of lung cancers were diagnosed at a distant stage and only 17% at a local stage. The stage was unknown or unstageable for about 4% of lung cases in 2004. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage. Unlike previous reports, cases diagnosed at an in-situ stage were removed from the table since they are not counted and used in the computation in other national reports. The percent of unknown stage at diagnosis for 2004 decreased to 4% because the Collaborative Staging System was implemented in 2004 and all treated cases are staged.

Figure 58

DIAGNOSIS OF LUNG CANCER
MONTANA RESIDENTS, 1995-2004

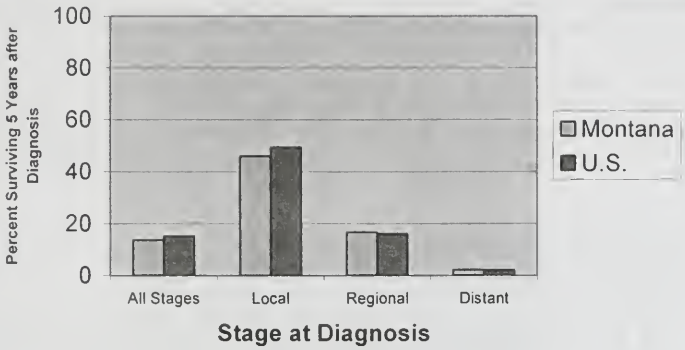
Year of Diagnosis		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Number of Cases Diagnosed	Males	365	378	338	410	339	380	357	360	361	264
	Females	258	255	278	319	262	307	330	293	288	229
Percent Stage at Diagnosis*											
Local		16%	19%	17%	17%	16%	22%	15%	15%	15%	17%
Regional		21%	21%	25%	27%	28%	26%	29%	26%	24%	28%
Distant		37%	38%	39%	39%	39%	38%	37%	43%	47%	50%
Unknown		26%	22%	19%	17%	17%	15%	19%	15%	15%	4%

* Percents may not add to 100% because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few cases are diagnosed at an early stage. **Figure 59** shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Forty-six percent of patients diagnosed at a localized stage survive five years; however, only 17% survive five years if diagnosed at a regional stage and about 2% if diagnosed at a distant stage. The types of treatment performed for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 21% of patients with lung cancer are treated with surgery and about 35% are treated with radiation. Chemotherapy is given to about 50% of patients. A cough is the most common symptom of a lung cancer, but since coughing is a common symptom of many acute and chronic conditions, the diagnosis of lung cancer may be delayed. Twenty-four percent of lung cancers are squamous cell carcinomas, derived from stratified squamous epithelium. About 25% are adenocarcinomas and 20% are carcinoma, NOS.

Figure 59

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR LUNG CANCER
MONTANA AND THE UNITED STATES, 1995-2004



COLORECTAL CANCER

Colorectal cancer was the third most common malignancy in Montanans with 4,794 cases reported for 1995-2004; there were 363 cases diagnosed and 164 deaths caused by colorectal cancer in 2004 (**Tables D-1, D-2, D-5, and D-6**) making it the second leading cause of cancer deaths. Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as "colorectal" cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 60** shows the frequency and stage at diagnosis for cancers of the colon and rectum. In 2004, 36% were diagnosed at a local stage, 39% at a regional stage, and 19% at a distant stage. Unlike previous reports, cases diagnosed at an in-situ stage were removed from the table since they are not counted and used in the computation in other national reports.

Figure 60

DIAGNOSIS OF COLORECTAL CANCER
MONTANA RESIDENTS, 1995-2004

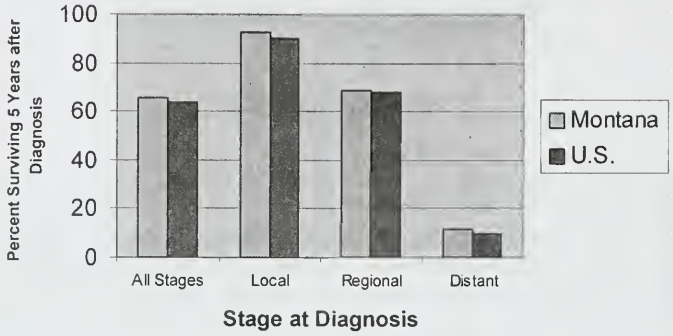
Year of Diagnosis		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Number of Cases Diagnosed	Males	226	250	257	286	285	250	288	259	219	186
	Females	228	227	230	237	236	245	236	233	239	177
Percent Stage at Diagnosis*											
Local		34%	35%	37%	35%	34%	37%	35%	37%	41%	36%
Regional		40%	40%	38%	42%	44%	42%	45%	38%	37%	39%
Distant		15%	14%	16%	16%	13%	15%	13%	18%	18%	19%
Unknown		13%	12%	8%	8%	9%	7%	7%	8%	4%	6%

* Percents may not add to 100% because of rounding.

Figure 61 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is 93%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 69%. Colorectal cancer is mostly treated with surgery or chemotherapy or both. About 85% of patients with colorectal cancer are treated with surgery and about 34% are treated with chemotherapy. About 34% of patients with rectal cancer are treated with radiation while only about 2% of patients with colon cancer are treated with radiation. About 70% of colorectal carcinomas are adenocarcinoma and 11% are mucinous adenocarcinoma (an adenocarcinoma which secretes mucin).

Figure 61

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR COLORECTAL CANCER MONTANA AND THE UNITED STATES, 1995-2004



References:

Ries LAG, Eisner MP, Kosary CL, Hankey BF, Miller BA, Clegg L, Mariotto A, Feuer EJ, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2002*, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2002/, 2005.

North American Association of Central Cancer Registries, Cancer in North America: 1996-2000, Volume One: Incidence, 2003.

Robert B. Cameron, MD, Practical Oncology a Lange Clinical Manual, 1994.

Clinical Oncology, Second Edition, American Cancer Society, 1995.

INDUCED ABORTIONS

There were 2,256 induced abortions performed in Montana in 2004. Of these, 2,061 were performed on Montana residents. Induced abortions have been reported to the Department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to the National Center for Health Statistics and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 62** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1976.

Since the reporting of induced abortions in Montana began, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend reached another near peak (295.2) in 1990. From 1990 to the present, it has trended downward, varying unpredictably in some years. The ratio was 195.7 in 2003.

Figure 62

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS
MONTANA OCCURRENCES, 1976-2004

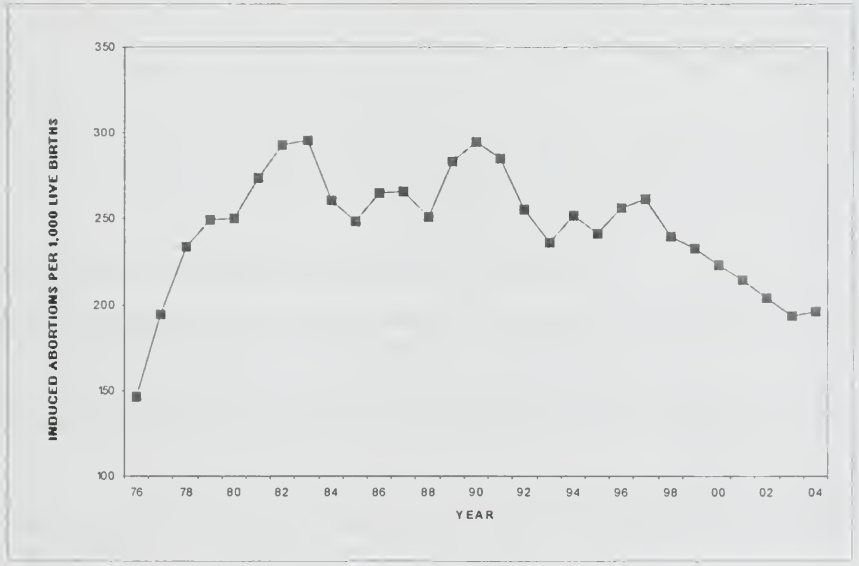


Table A-1 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2004.

The frequency of induced abortion, for all patients receiving the procedure in Montana in 2004 is also tabulated by age of patient (**Table A-2**) and by gestational age and procedure used for termination and gestational age of the fetus (**Table A-3**).

Table A-4 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

Table S-8 shows the frequency of induced abortions--as well as that of live births and fetal deaths the other pregnancy outcomes reported to the Department—by age and county of residence. The frequency of abortion in this table is for Montana residents receiving the procedure in Montana.

There were no deaths of women receiving abortions in Montana in 2004 attributable to the procedure of induced abortion. This has been the case in Montana since 1974.

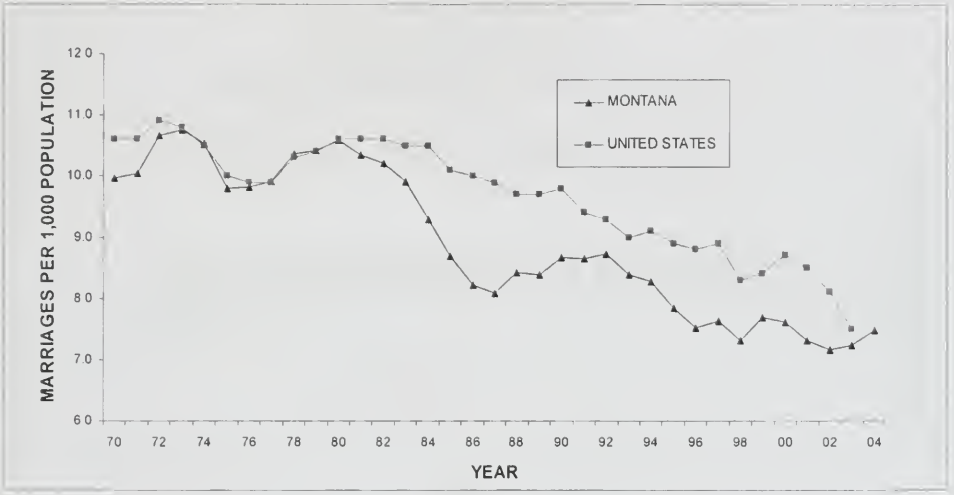
Two of the 2,256 abortion procedures performed in Montana in 2004 resulted in reported complications--one with hemorrhage and one with other complications.

MARRIAGE

There were 6,946 marriages solemnized in Montana in 2004 and the rate per 1,000 population, 7.5 was slightly increased from the previous year's rate. Except for a brief resurgence in Montana's rate between 1988 and 1992, the trends in marriage rates for both Montana and the United States have been in long-term decline since 1980 (see **Figure 63**).

Figure 63

MARRIAGE RATES
MONTANA AND THE UNITED STATES, 1970-2004*



* Data for the United States in 2002 and 2003 are preliminary and are not yet available for 2004

Table M-1 shows the frequency of marriage by month in the year 2004. The summer and early fall months (June through September) have been the most popular times for marriage.

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table M-2**. More than three-fifths of the brides (64.2%) and grooms (65.2%) married for the first time in 2004.

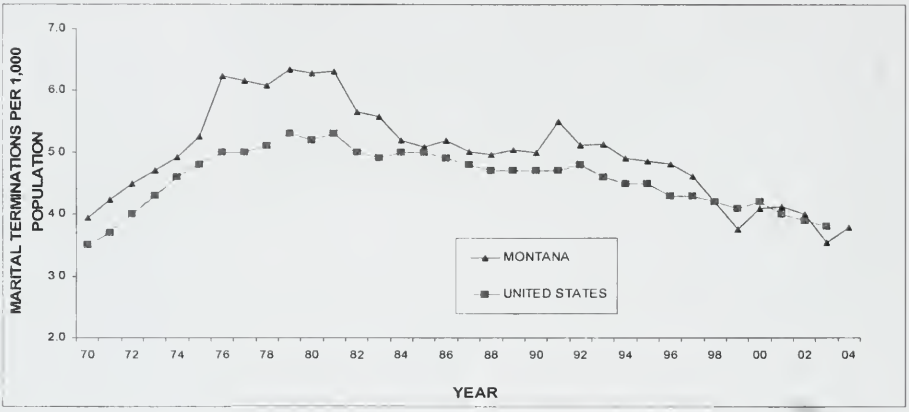
Just over half (54.2 %) of all marriages performed in Montana in 2004 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table M-3** by age group of bride and groom. Median ages of brides and grooms for the previous ten years are shown in **Table M-4**. The median age for first-time brides in 2004 was 24 years and that of first-time grooms was 26.

MARITAL TERMINATION

In October of 1998, the Judicial Case Management System (JCMS) assumed responsibility for the collection of marital termination records (marital dissolutions and invalid marriages). The records from 1998 through 2004 are not strictly comparable to those collected by the Office of Vital Statistics (OVS). However, **Figure 64** shows that the trend in marital termination for Montana was roughly parallel to the national trend from 1970 through 1997, years in which data were collected by OVS, although the Montana rates were consistently higher up to the time JCMS assumed data collection. In the years after 1997, when JCMS has been collecting marital termination data, the Montana rate has dipped below, then exceeded, and then again fell below the U.S. marital termination rate.

Figure 64

MARITAL TERMINATION RATES
MONTANA AND THE UNITED STATES, 1970-2004*



* Montana data were collected by the Montana Office of Vital Statistics (OVS) through September 1998 and by the Judicial Case Management System (JCMS) thereafter. Data collected by JCMS are not comparable to those collected by OVS and should be used with caution. Data for the United States in 2002 and 2003 are preliminary and are not yet available for 2004.

Montana's rate of marital termination per 1,000 population is shown in **Table S-5**. During the last 20 years that OVS collected the data, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997. As stated above, marital termination records for subsequent years—and rates calculated from those records—are not strictly comparable.

2004

MONTANA

VITAL STATISTICS

REFERENCE TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO	-
RATE OR PERCENT IS LESS THAN 0.05 . . .	0.0
DATA ARE NOT AVAILABLE	---

LIST OF REFERENCE TABLES

TABLE	CONTENTS	PAGE
S-1	Frequency and Rate or Ratio of Death, Live Birth, and Fetal, Infant, and Maternal Death by Year - Montana, 1910-2004.	04-1
S-2	Frequency of Death, Live Birth, and Fetal, Infant, and Maternal Death by County of Occurrence and County of Residence - Montana, 2004	04-2
S-3	Frequency of Death, Live Birth, and Fetal Death by Race and County of Residence - Montana, 2004 .	04-3
S-4	Frequency of Fetal, Infant, and Child Death by Race and County of Residence - Montana, 2004. . .	04-4
S-5	Frequency and Rate of Marriage and Marital Termination by Year - Montana Occurrences, 1949-2004	04-5
S-6	Frequency of Licenses Issued, Marriages Solemnized, Marital Dissolutions, and Marriages Invalidated by County of Occurrence - Montana, 2004.	04-6
S-7	Selected Vital Statistics - Frequencies and Rates or Ratios by County - Montana, 2004	04-7
S-8	Frequency and Percent Distribution of Live Births, Fetal Deaths, and Induced Abortions by Mothers' or Patients' Ages and County of Residence, 2004	04-15
P-1	State Population by County, 2000-2004	04-24
B-1	Frequency and Percent Distribution of Live Births by Infant's Sex, Legitimacy, Plurality, and Parity - Montana Residents, 2000-2004	04-25
B-2	Frequency and Percent Distribution of Live Births by Type of Facility or Attendant and by County of Occurrence - Montana, 2004.	04-26

TABLE	CONTENTS	PAGE
B-3	Frequency and Percent Distribution of Live Births by Birthweight and by County of Residence - Montana, 2004	04-27
B-4	Frequency and Percent Distribution of Live Births by Completed Weeks of Gestation and County of Residence - Montana, 2004	04-28
B-5	Frequency and Percent Distribution of Live Births to Montana Residents Delivering in Montana by Number of Children Born Alive and Years of Education of Mother - Montana, 2004	04-29
B-6	Frequency of Live Births by Month Pre-Natal Health Care Began and by County of Residence - Montana, 2004	04-30
D-1	Frequency of Death by Sex, Age, and up to 358 Selected Underlying Causes - Montana Residents, 2004	04-31
D-2	Frequency of Death by Sex, Race, and up to 113 Selected Underlying Causes - Montana Residents, 2004	04-55
D-3	Frequency and Rate of Death from Selected Underlying Causes by Year - Montana, 1910-2004. .	04-57
D-4	Frequency of Death from Selected Underlying Causes by County of Residence - Montana, 2004 . .	04-59
D-5	Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death - Montana, 1954-2004	04-60
D-6	Frequency of Death from Selected Cancers by Sex of Decedent and County of Residence - Montana, 2004	04-61
D-7	Frequency of Infant Death by Race, Age, and up to 130 Selected Underlying Causes - Montana Residents, 2004	04-63

TABLE	CONTENTS	PAGE
D-8	Frequency of Infant Death by Race, Age, and County of Residence - Five-Year Infant Mortality Rate by County of Residence - Montana, 2004 . . .	04-64
D-9	Frequency and Rate of Death from Selected Communicable Diseases by Year - Montana, 1910-2004	04-65
F-1	Frequency of Fetal Death by Race, Sex, and Completed Weeks of Gestation, and up to 124 Selected Underlying Causes - Montana Residents, 2004	04-67
A-1	Frequency of Induced Abortion by Number of Previous Induced Abortions and Number of Previous Pregnancies - Montana Occurrences, 2004	04-69
A-2	Frequency of Induced Abortion by Age of Patient - Montana Occurrences, 2004	04-70
A-3	Frequency of Induced Abortion by Completed Weeks of Gestation and by Primary Procedure - Montana Occurrences, 2004	04-71
A-4	Frequency of Induced Abortion by County of Residence and County of Occurrence - Montana, 2004	04-72
M-1	Frequency and Percent Distribution of Marriages by Month of Occurrence - Montana Occurrences, 2004.	04-73
M-2	Frequency of Marriage by Previous Marital Status and Age of Bride and by Previous Marital Status and Age of Groom - Montana Occurrences, 2004 . .	04-74
M-3	Frequency of First Marriage by Age of Bride and Age of Groom - Montana Occurrences, 2004	04-75
M-4	Median Ages of Brides and Grooms - Montana Occurrences, 1995-2004.	04-76
MT-1	Frequency of Marital Termination by Type and by Legal Grounds for Decree - Montana Occurrences, 2004.	04-77

TABLE	CONTENTS	PAGE
MT-2	Frequency of Marital Termination by Age of Wife and Age of Husband - Montana Occurrences, 2004. .	04-78
MT-3	Frequency of Marital Termination by Number of Minor Children in the Household and by Age of Wife - Montana Occurrences, 2004.	04-79
R-1	Montana Department of Public Health and Human Services Communicable Disease Program - Communicable Diseases Summary for 2004.	04-80
R-2	Sexually Transmitted Diseases by County - 2004 Summary.	04-81
R-3	Montana Department of Public Health and Human Services Communicable Disease Program - Other Diseases of Interest - 2004 Summary	04-82
C-1	Reported Neoplasms by Anatomical Site and Sex - Montana Residents, 1995-2004 Diagnoses	04-83
C-2	Most Frequently Reported Neoplasms by Site, Sex, and Age - Montana Residents, 1995-2004 Diagnoses.	04-84
C-3	Most Frequently Reported Neoplasms by Site, Sex, and County of Residence - Montana Residents, 1995-2004 Diagnoses	04-85

TABLE S-1

FREQUENCY AND RATE OR RATIO OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH BY YEAR* MONTANA, 1910-2004*

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++
1910	376,053	3,999	10 6	6,124	16 3	NA	NA	714	116 6	62	1,012 4
1915	468,067	5,072	10 8	11,132	23 8	NA	NA	816	73 3	91	817 5
1920	548,339	5,289	9 6	11,862	21 6	NA	NA	862	72 7	104	876 7
1925	542,834	5,188	9 6	10,302	19 0	343	33 3	726	70 5	83	805 7
1930	537,606	5,435	10 1	10,004	18 6	286	28 6	569	56 9	67	669 7
1935	549,077	6,291	11 5	10,029	18 3	232	23 1	602	60 0	52	518 5
1940	559,456	5,722	10 2	11,468	20 5	216	18 8	527	46 0	39	340 1
1945	504,600	5,414	10 7	10,601	21 0	184	17 4	363	34 2	17	160 4
1946	521,900	5,595	10 7	12,858	24 6	224	17 4	448	34 8	18	140 0
1947	539,200	5,760	10 7	15,086	28 0	238	15 8	484	32 1	16	106 1
1948	556,500	5,884	10 6	15,035	27 0	236	15 7	461	30 7	14	93 1
1949	573,800	5,878	10 2	15,366	26 8	231	15 0	457	29 7	14	91 1
1950	591,024	5,817	9 8	15,592	26 4	233	14 9	441	28 3	20	128 3
1951	596,000	5,964	10 0	15,929	26 7	248	15 6	425	26 7	10	62 8
1952	602,000	5,974	9 9	16,479	27 4	253	15 4	448	27 2	8	48 5
1953	616,000	6,125	9 9	16,596	26 9	232	14 0	480	28 9	3	18 1
1954	624,000	6,030	9 7	17,276	27 7	247	14 3	398	23 0	5	28 9
1955	636,000	6,115	9 6	17,454	27 4	221	12 7	433	24 8	5	28 6
1956	656,000	6,450	9 8	17,703	27 0	239	13 5	495	28 0	2	11 3
1957	667,000	6,486	9 7	18,219	27 3	224	12 3	462	25 4	5	27 4
1958	666,000	6,265	9 4	17,275	25 9	233	13 5	444	25 7	3	17 4
1959	669,000	6,570	9 8	17,646	26 4	223	12 6	431	24 4	3	17 0
1960	674,767	6,525	9 7	17,448	25 9	190	10 9	435	24 9	5	28 7
1961	682,000	6,338	9 3	17,368	25 5	194	11 2	441	25 4	2	11 5
1962	709,000	6,418	9 1	16,818	23 7	210	12 5	436	25 9	7	41 6
1963	707,000	6,609	9 3	15,934	22 5	194	12 2	383	24 0	2	12 6
1964	705,000	6,851	9 7	15,094	21 4	200	13 3	403	26 7	7	46 4
1965	706,000	6,578	9 3	13,641	19 3	177	13 0	338	24 8	2	14 7
1966	702 000	6,864	9 8	12,623	18 0	140	11 1	286	22 7	3	23 8
1967	701.000	6,549	9 3	12,087	17 2	141	11 7	290	24 0	3	24 8
1968	693,000	6,534	9 4	11,992	17 3	146	12 2	233	19 4	1	8 3
1969	694,000	6,694	9 6	11 762	16 9	132	11 2	246	20 9	1	8 5
1970	694,409	6,597	9 5	12,622	18 2	140	11 1	272	21 5	3	23 8
1971	710,000	6,860	9 7	12,347	17 4	127	10 3	267	21 6	-	---
1972	719,000	6,896	9 6	11,444	15 9	129	11 3	225	19 7	4	35 0
1973	721,000	6,870	9 5	11,392	15 8	105	9 2	222	19 5	-	---
1974	735,000	6,552	8 9	12,273	16 7	125	10 2	202	16 5	1	8 1
1975	748,000	6,539	8 7	12,070	16 1	112	9 3	187	15 5	3	24 9
1976	753,000	6,733	8 9	12,605	16 7	104	8 3	209	16 6	-	---
1977	761,000	6,397	8 4	13,304	17 5	119	8 9	183	13 8	1	7 5
1978	785,000	6,484	8 3	13,545	17 3	110	8 1	155	11 4	3	22 1
1979	786,000	6,471	8 2	14,057	17 9	116	8 3	151	10 7	4	28 5
1980	786,690	6,664	8 5	14,208	18 1	104	7 3	176	12 4	2	14 1
1981	793,000	6,709	8 5	14,309	18 0	85	5 9	153	10 7	-	---
1982	801.000	6,625	8 3	14,538	18 1	93	6 4	147	10 1	1	6 9
1983	817,000	6,699	8 2	14,054	17 2	91	6 5	126	9 0	4	28 5
1984	824,000	6,698	8 1	14 141	17 2	110	7 8	125	8 8	1	7 1
1985	826,000	6,725	8 1	13,497	16 3	96	7 1	139	10 3	-	---
1986	819,000	6,738	8 2	12,728	15 5	95	7 5	122	9 6	2	15 7
1987	809,000	6,597	8 2	12,239	15.1	96	7 8	121	9 9	-	---
1988	805,000	6,759	8 4	11,682	14 5	92	7 9	100	8 6	1	8 6
1989	805,600	6,735	8 4	11,667	14 5	86	7 4	133	11 4	-	---
1990	799,065	6,835	8 6	11,602	14 5	78	6 7	106	9 1	-	---
1991	808,000	6,995	8 7	11,498	14 2	90	7 8	82	7 1	1	8 7
1992	823,700	7,067	8 6	11,468	13 9	84	7 3	85	7 4	-	---
1993	839 000	7,457	8 9	11,362	13 5	74	6 5	84	7 4	-	---
1994	856,240	7,331	8 6	11,062	12 9	52	4 7	82	7 4	-	---
1995	868,522	7,614	8 8	11,136	12 8	67	6 0	79	7 1	-	---
1996	879,370	7,686	8 7	10,840	12 3	58	5 4	75	6 9	1	9 2
1997	878,810	7,730	8 8	10,840	12 3	49	4 5	73	6 7	-	---
1998	879,533	7,960	9 1	10,791	12 3	76	7 0	82	7 6	1	9 3
1999	882,779	8,082	9 2	10,779	12 2	62	5 8	71	6 6	-	---
2000	902,195	8,071	8 9	10,946	12 1	55	5 0	63	5 8	2	18 3
2001	904 433	8,252	9 1	10,947	12 1	43	3 9	73	6 7	2	18 3
2002	909,453	8,473	9 3	11,045	12 1	51	4 6	81	7 3	-	---
2003	917,621	8,445	9 2	11,384	12 4	55	4 8	77	6 8	5	43 9
2004	926,865	8,083	8 7	11,514	12 4	40	3 5	53	4 6	9	78 2

* DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
+ PER 1,000 ESTIMATED MIDYEAR POPULATION. U. S. CENSUS ENUMERATION'S ARE USED FOR YEARS ENDING IN ZERO.
** PER 1,000 LIVE BIRTHS.
++ PER 100,000 LIVE BIRTHS.

TABLE S-2

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA, TOTAL	8,080	8,083	11,526	11,514	41	40	50	53	9	9
BEAVERHEAD	78	77	75	82	1	1	-	-	-	-
BIG HORN	78	102	243	266	-	-	1	1	-	-
BLAINE	26	56	2	123	-	-	-	1	-	-
BROADWATER	34	39	1	32	-	1	-	-	-	-
CARBON	68	84	39	110	-	-	-	-	-	1
CARTER	11	13	1	7	-	-	-	-	-	-
CASCADE	845	743	1,409	1,156	8	5	10	6	1	1
CHOUTEAU	51	57	1	43	-	-	-	1	-	-
CUSTER	133	134	244	125	-	-	-	1	1	1
DANIELS	21	24	-	14	-	-	-	-	-	-
DAWSON	111	108	66	89	-	-	1	1	-	-
DEER LODGE	94	118	47	94	-	-	1	1	-	-
FALLON	28	24	-	31	-	1	-	-	-	-
FERGUS	124	131	100	88	-	1	-	-	-	-
FLATHEAD	744	717	1,086	1,045	3	3	3	7	-	-
GALLATIN	326	336	1,015	985	3	4	-	4	1	1
GARFIELD	5	5	-	20	-	-	-	-	-	-
GLACIER	75	106	237	268	-	1	-	1	-	-
GOLDEN VALLEY	4	14	-	11	-	-	-	-	-	-
GRANITE	10	15	-	20	-	-	-	-	-	-
HILL	142	157	386	271	1	1	1	2	2	2
JEFFERSON	48	84	3	104	-	-	1	2	-	-
JUDITH BASIN	9	14	-	13	-	-	-	-	-	-
LAKE	222	270	284	349	2	2	1	1	-	-
LEWIS & CLARK	517	486	754	694	2	2	4	5	3	3
LIBERTY	20	16	12	11	-	-	-	-	-	-
LINCOLN	143	186	96	157	-	-	1	1	-	-
MCCONE	13	11	-	11	-	-	-	-	-	-
MADISON	58	69	-	40	-	-	-	-	-	-
MEAGHER	20	19	-	19	-	-	-	-	-	-
MINERAL	33	39	1	48	-	-	-	1	-	-
MISSOULA	864	680	1,631	1,205	5	4	9	5	-	-
MUSSELSHELL	39	54	-	42	-	-	-	1	-	-
PARK	114	139	138	146	-	-	-	-	-	-
PETROLEUM	3	3	-	3	-	-	-	-	-	-
PHILLIPS	30	38	2	36	-	-	-	-	-	-
PONDERA	69	97	39	70	-	-	-	-	-	-
POWDER RIVER	16	16	-	11	-	-	-	-	-	-
POWELL	61	73	11	49	-	-	-	-	-	-
PRAIRIE	11	18	-	7	-	-	-	-	-	-
RAVALLI	263	334	218	397	-	1	-	-	-	-
RICHLAND	87	87	114	109	-	-	-	-	-	-
ROOSEVELT	84	109	109	239	1	1	-	3	-	-
ROSEBUD	45	72	1	180	-	1	1	2	-	-
SANDERS	83	109	44	92	-	-	-	-	-	-
SHERIDAN	51	62	19	28	-	-	-	-	-	-
SILVER BOW	443	430	451	375	6	6	3	2	-	-
STILLWATER	54	66	2	101	-	1	-	-	-	-
SWEET GRASS	24	26	-	34	-	-	-	-	-	-
TETON	45	56	4	50	-	-	-	-	-	-
TOOLE	51	54	38	45	-	-	-	-	-	-
TREASURE	-	5	-	6	-	-	-	-	-	-
VALLEY	90	90	154	71	-	-	2	-	-	-
WHEATLAND	22	27	-	16	-	-	-	-	-	-
WIBAUX	18	23	-	8	-	-	-	-	-	-
YELLOWSTONE	1,421	1,160	2,449	1,868	9	4	11	4	1	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
NOT STATED	1	1	-	-	-	-	-	-	-	-

TABLE S-3

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS			
	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER
MONTANA, TOTAL	8,083	7,006	403	674	11,514	9,762	1,508	244	40	30	10	-
BEAVERHEAD	77	75	2	-	82	79	2	1	1	1	-	-
BIG HORN	102	26	48	28	266	31	235	-	-	-	-	-
BLAINE	56	38	18	-	123	36	86	1	-	-	-	-
BROADWATER	39	38	-	1	32	28	3	1	1	1	-	-
CARBON	84	47	-	37	110	108	2	-	-	-	-	-
CARTER	13	12	1	-	7	7	-	-	-	-	-	-
CASCADE	743	622	27	94	1,156	1,034	67	55	5	3	2	-
CHOUTEAU	57	52	2	3	43	42	-	1	-	-	-	-
CUSTER	134	131	-	3	125	119	5	1	-	-	-	-
DANIELS	24	24	-	-	14	13	-	1	-	-	-	-
DAWSON	108	105	-	3	89	85	2	2	-	-	-	-
DEER LODGE	118	117	-	1	94	91	1	2	-	-	-	-
FALLON	24	23	-	1	31	30	1	-	1	1	-	-
FERGUS	131	129	1	1	88	83	3	2	1	1	-	-
FLATHEAD	717	560	4	153	1,045	1,013	18	14	3	2	1	-
GALLATIN	336	329	1	6	985	953	15	17	4	4	-	-
GARFIELD	5	5	-	-	20	20	-	-	-	-	-	-
GLACIER	106	33	70	3	268	62	206	-	1	-	1	-
GOLDEN VALLEY	14	13	1	-	11	10	1	-	-	-	-	-
GRANITE	15	15	-	-	20	19	1	-	-	-	-	-
HILL	157	129	27	1	271	159	112	-	1	1	-	-
JEFFERSON	84	80	1	3	104	102	-	2	-	-	-	-
JUDITH BASIN	14	12	-	2	13	13	-	-	-	-	-	-
LAKE	270	211	50	9	349	210	135	4	2	1	1	-
LEWIS & CLARK	486	474	7	5	694	655	23	16	2	2	-	-
LIBERTY	16	16	-	-	11	11	-	-	-	-	-	-
LINCOLN	186	179	2	5	157	153	3	1	-	-	-	-
MCCONE	11	11	-	-	11	11	-	-	-	-	-	-
MADISON	69	67	1	1	40	40	-	-	-	-	-	-
MEAGHER	19	19	-	-	19	19	-	-	-	-	-	-
MINERAL	39	36	-	3	48	47	-	1	-	-	-	-
MISSOULA	680	640	7	33	1,205	1,144	38	23	4	4	-	-
MUSSELSHELL	54	38	1	15	42	41	1	-	-	-	-	-
PARK	139	52	-	87	146	140	2	4	-	-	-	-
PETROLEUM	3	2	-	1	3	3	-	-	-	-	-	-
PHILLIPS	38	36	2	-	36	30	6	-	-	-	-	-
PONDERA	97	80	13	4	70	44	26	-	-	-	-	-
POWDER RIVER	16	16	-	-	11	10	1	-	-	-	-	-
POWELL	73	70	1	2	49	47	1	1	-	-	-	-
PRAIRIE	18	17	-	1	7	6	-	1	-	-	-	-
RAVALLI	334	317	1	16	397	387	4	6	1	1	-	-
RICHLAND	87	84	-	3	109	103	2	4	-	-	-	-
ROOSEVELT	109	52	55	2	239	46	187	6	1	-	1	-
ROSEBUD	72	45	25	2	180	58	120	2	1	-	1	-
SANDERS	109	101	4	4	92	83	5	4	-	-	-	-
SHERIDAN	62	60	2	-	28	23	3	2	-	-	-	-
SILVER BOW	430	426	1	3	375	342	9	24	6	5	1	-
STILLWATER	66	34	-	32	101	97	4	-	1	1	-	-
SWEET GRASS	26	24	-	2	34	33	-	1	-	-	-	-
TETON	56	50	-	6	50	49	-	1	-	-	-	-
TOOLE	54	53	1	-	45	40	2	3	-	-	-	-
TREASURE	5	5	-	-	6	6	-	-	-	-	-	-
VALLEY	90	83	6	1	71	53	17	1	-	-	-	-
WHEATLAND	27	26	-	1	16	16	-	-	-	-	-	-
WIBAUX	23	23	-	-	8	7	-	1	-	-	-	-
YELLOWSTONE	1,160	1,043	21	96	1,868	1,671	159	38	4	2	2	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	1	1	-	-	-	-	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.

TABLE S-4

FREQUENCY OF FETAL, INFANT, AND CHILD* DEATH BY RACE AND COUNTY OF RESIDENCE MONTANA , 2004

	FETAL DEATHS				INFANT DEATHS				CHILD* DEATHS			
	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES
MONTANA	40	30	10	-	53	39	9	5	74	54	15	5
BEAVERHEAD	1	1	-	-	-	-	-	-	-	-	-	-
BIG HORN	-	-	-	-	1	-	1	-	2	-	2	-
BLAINE	-	-	-	-	1	-	1	-	-	-	-	-
BROADWATER	1	1	-	-	-	-	-	-	-	-	-	-
CARBON	-	-	-	-	-	-	-	-	1	1	-	-
CARTER	-	-	-	-	-	-	-	-	1	1	-	-
CASCADE	5	3	2	-	6	6	-	-	7	6	-	1
CHOUTEAU	-	-	-	-	1	1	-	-	-	-	-	-
CUSTER	-	-	-	-	1	1	-	-	-	-	-	-
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	-	-	-	-	1	1	-	-	-	-	-	-
DEER LODGE	-	-	-	-	1	1	-	-	1	1	-	-
FALLON	1	1	-	-	-	-	-	-	-	-	-	-
FERGUS	1	1	-	-	-	-	-	-	1	1	-	-
FLATHEAD	3	2	1	-	7	7	-	-	9	9	-	-
GALLATIN	4	4	-	-	4	3	-	1	4	3	1	-
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-
GLACIER	1	-	1	-	1	-	-	1	4	2	2	-
GOLDEN VALLEY	-	-	-	-	-	-	-	-	2	2	-	-
GRANITE	-	-	-	-	-	-	-	-	1	1	-	-
HILL	1	1	-	-	2	-	2	-	2	2	-	-
JEFFERSON	-	-	-	-	2	2	-	-	-	-	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	2	1	1	-	1	-	1	-	7	1	6	-
LEWIS & CLARK	2	2	-	-	5	5	-	-	1	1	-	-
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	-	-	-	-	1	1	-	-	2	2	-	-
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-	-	-	-	-	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-
MINERAL	-	-	-	-	1	1	-	-	-	-	-	-
MISSOULA	4	4	-	-	5	5	-	-	2	2	-	-
MUSSELSHELL	-	-	-	-	1	1	-	-	-	-	-	-
PARK	-	-	-	-	-	-	-	-	2	-	-	2
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-
PONDERA	-	-	-	-	-	-	-	-	1	1	-	-
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-
POWELL	-	-	-	-	-	-	-	-	1	1	-	-
PRAIRIE	-	-	-	-	-	-	-	-	1	-	-	1
RAVALLI	1	1	-	-	-	-	-	-	3	3	-	-
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-
ROOSEVELT	1	-	1	-	3	-	3	-	2	1	1	-
ROSEBUD	1	-	1	-	2	-	1	1	4	1	3	-
SANDERS	-	-	-	-	-	-	-	-	3	3	-	-
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	6	5	1	-	2	1	-	1	2	2	-	-
STILLWATER	1	1	-	-	-	-	-	-	-	-	-	-
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-
TETON	-	-	-	-	-	-	-	-	1	1	-	-
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	4	2	2	-	4	3	-	1	7	6	-	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

* AGED 1-17 YEARS.

TABLE S-6

FREQUENCY AND RATE OF MARRIAGE AND MARITAL TERMINATION* BY YEAR
MONTANA OCCURENCES, 1949 - 2004

YEAR	MARRIAGES		MARITAL TERMINATIONS*	
	NUMBER	RATE**	NUMBER	RATE**
1949	6,981	11.9	1,995	3 4
1950	7,235	12.2	1,951	3.3
1951	6,307	10 6	1,837	3 1
1952	6,410	10.6	1,989	3 3
1953	6,597	10.7	1,986	3 2
1954	6,575	10.5	1,966	3 2
1955	6,514	10.2	1,909	3 0
1956	6,770	10.3	1,985	3.0
1957	6,495	9 7	2,004	3 0
1958	6,142	9 2	2,023	3 0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3 0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2 7
1964	4,556	6.5	1,981	2 8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3 0
1967	5,563	7.9	2,361	3 4
1968	6,250	9 0	2,592	3.7
1969	6,444	9.3	2,806	4 0
1970	6,919	10.0	3,051	4 4
1971	7,128	10.0	3,366	4 7
1972	7,674	10.7	3,609	5 0
1973	7,751	10.8	3,772	5 2
1974	7,741	10.5	3,940	5 4
1975	7,331	9.8	4,286	5 7
1976	7,390	9.8	4,850	6 4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6 2
1979	8,195	10.4	5,106	6 5
1980	8,336	10.6	4,940	6.3
1981	8,209	10.4	5,004	6.3
1982	8,185	10.2	4,612	5.8
1983	8,092	9.9	4,644	5 7
1984	7,659	9.3	4,355	5 3
1985	7,178	8.7	4,258	5.2
1986	6,739	8.2	4,307	5 3
1987	6,540	8.1	4,116	5.1
1988	6,784	8.4	4,063	5 0
1989	6,765	8 4	4,104	5 1
1990	6,924	8.7	4,049	5 1
1991	6,984	8 6	4,443	5.5
1992	7,189	8.7	4,223	5.1
1993	7,041	8 4	4,311	5 1
1994	7,088	8 3	4,196	4 9
1995	6,818	7.8	4,214	4 8
1996	6,609	7 5	4,238	4 8
1997	6,708	7.6	4,058	4 6
1998	6,436	7.3	3,698*	4 2*
1999	6,785	7.7	3,318*	3 8*
2000	6,870	7 6	3,694*	4 1*
2001	6,612	7 3	3,735*	4 1*
2002	6,514	7.2	3,634*	4 0*
2003	6,640	7.2	3,255*	3.5*
2004	6,946	7.5	3,516*	3.8*

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER OF 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

** PER 1,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE S-6

FREQUENCY OF LICENSES ISSUED, MARRIAGES SOLEMNIZED,
MARITAL DISSOLUTIONS* AND MARRIAGES INVALIDATED*
BY COUNTY OF OCCURRENCE - MONTANA, 2004

COUNTY	LICENSES ISSUED	MARRIAGES SOLEMNIZED	MARITAL TERMINATIONS	MARITAL DISSOLUTIONS*	INVALID MARRIAGES*
MONTANA, TOTAL	6,946	6,946	3,516	3,481	35
BEAVERHEAD	54	54	25	25	-
BIG HORN	93	77	8	8	-
BLAINE	33	32	2	1	1
BROADWATER	32	47	-	-	-
CARBON	137	201	24	24	-
CARTER	1	1	1	1	-
CASCADE	687	664	478	469	9
CHOUTEAU	21	32	3	3	-
CUSTER	81	77	58	58	-
DANIELS	9	9	5	5	-
DAWSON	62	63	14	14	-
DEER LODGE	44	51	26	25	1
FALLON	24	24	5	5	-
FERGUS	80	92	39	39	-
FLATHEAD	719	702	228	226	2
GALLATIN	753	683	264	263	1
GARFIELD	6	10	-	-	-
GLACIER	71	84	18	18	-
GOLDEN VALLEY	4	1	1	1	-
GRANITE	16	23	13	13	-
HILL	109	100	69	69	-
JEFFERSON	27	58	16	16	-
JUDITH BASIN	5	7	3	3	-
LAKE	157	196	103	103	-
LEWIS & CLARK	455	402	308	306	2
LIBERTY	10	11	3	3	-
LINCOLN	115	144	84	81	3
MCCONE	6	6	4	4	-
MADISON	46	62	22	22	-
MEAGHER	9	12	6	5	1
MINERAL	36	45	-	-	-
MISSOULA	815	710	499	491	8
MUSSELSHELL	35	30	19	19	-
PARK	126	176	59	59	-
PETROLEUM	2	1	-	-	-
PHILLIPS	29	33	6	6	-
PONDERA	36	40	19	19	-
POWDER RIVER	7	8	1	1	-
POWELL	37	36	16	16	-
PRAIRIE	4	6	-	-	-
RAVALLI	203	254	140	139	1
RICHLAND	84	77	27	27	-
ROOSEVELT	77	79	9	9	-
ROSEBUD	30	31	8	8	-
SANDERS	80	87	23	23	-
SHERIDAN	21	21	8	8	-
SILVER BOW	247	237	161	160	1
STILLWATER	69	55	17	17	-
SWEET GRASS	22	24	17	17	-
TETON	30	34	12	12	-
TOOLE	33	36	14	14	-
TREASURE	6	4	1	1	-
VALLEY	47	45	20	20	-
WHEATLAND	11	11	5	5	-
WIBAUX	5	5	3	3	-
YELLOWSTONE	988	933	602	597	5
YELLOWSTONE PARK	-	-	-	-	-
NOT STATED	-	3	-	-	-

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		8,845		13,005		6,668		4,530		9,755		1,324		79,849	
RESIDENCE																
NATURAL INCREASE	3,431	3.7	5	0 6	164	12 7	67	9 9	(7)	-1.6	26	2.7	(6)	-4 5	413	5.2
LIVE BIRTHS, TOTAL	11,514	12 4	82	9 3	266	20 5	123	18 4	32	7.1	110	11.3	7	5 3	1,156	14 5
SEX-MALE	5,880	13 1	39	---	119	---	67	---	21	---	52	---	5	---	562	---
FEMALE	5,633	12 4	43	---	147	---	56	---	11	---	58	---	2	---	594	---
OUT-OF-WEDLOCK	3,938	342.0	24	292.7	152	571.4	83	674 8	14	437 5	20	181.8	-	-	327	282 9
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8 7	77	8.7	102	7.8	56	8.4	39	8.6	84	8 6	13	9.8	743	9 3
SEX-MALE	4,064	9 3	39	---	60	---	29	---	22	---	39	---	5	---	354	---
FEMALE	4,019	9 1	38	---	42	---	27	---	17	---	45	---	8	---	389	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4 6	-	-	1	3 8	1	8.1	-	-	-	-	-	-	6	5 2
NEONATAL (UNDER 29 DAYS)	30	2 6	-	-	1	3.8	-	-	-	-	-	-	-	-	5	4 3
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	-	-	-	-	1	8 1	-	-	-	-	-	-	1	0 9
FETAL DEATHS	40	3 5	1	12 2	-	-	-	-	1	31.3	-	-	-	-	5	4 3
PERINATAL DEATHS	70	6 1	1	12 2	1	3.8	-	-	1	31.3	-	-	-	-	10	8 7
LEADING CAUSES OF DEATH **																
CANCER	1,858	200.5	16	180.9	18	138.4	12	180.0	9	198.7	24	246 0	1	75 5	175	219.2
HEART DISEASE	1,834	197.9	20	226.1	20	153.8	16	240 0	10	220 8	21	215.3	1	75.5	159	199.1
CHRON LOWER RESP. DISEASES	578	62 4	7	79 1	7	53 8	2	30 0	-	-	1	10 3	4	302.1	52	65.1
ACCIDENTS	529	57 1	6	67 8	12	92.3	2	30.0	2	44 2	8	82.0	1	75.5	36	45.1
CEREBROVASVULAR DISEASE	484	52 2	5	56 5	5	38 4	2	30.0	3	66 2	7	71 8	-	-	42	52 6
DIABETES	236	25.5	1	11.3	6	46.1	3	45.0	1	22.1	-	-	3	226.6	22	27.6
ALZHEIMER'S DISEASE	228	24 6	-	-	2	15 4	2	30.0	-	-	3	30 8	-	-	40	50.1
SUICIDE	174	18.8	1	11.3	3	23.1	3	45 0	2	44 2	1	10.3	-	-	13	16 3
PNEUMONIA AND INFLUENZA	165	17 8	-	-	-	-	2	30.0	1	22 1	-	-	-	-	15	18.8
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11.5	2	22.6	3	23.1	1	15.0	3	66 2	-	-	1	75.5	9	11.3
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12 4	75	8 5	243	18 7	2	0.3	1	0.2	39	4 0	1	0 8	1,409	17.6
DEATHS (EXCLUDING FETAL), TOTAL	8,080	8.7	78	8 8	78	6 0	26	3.9	34	7 5	68	7 0	11	8.3	845	10 6
INFANT (UNDER 1 YEAR)	50	4 3	-	-	1	4 1	-	-	-	-	-	-	-	-	10	7.1
ACCIDENTAL	541	0 6	7	0 8	12	0.9	4	0 6	5	1.1	9	0 9	1	0 8	36	0.5
MOTOR VEHICLE	252	0.3	3	0.3	11	0.8	4	0 6	4	0.9	5	0.5	-	-	15	0.2
OTHER ACCIDENTAL	289	0 3	4	0 5	1	0.1	-	-	1	0.2	4	0.4	1	0 8	21	0.3
MARRIAGES SOLUMNIZED	6,946	7.5	54	6 1	77	5.9	32	4 8	47	10 4	201	20 6	1	0 8	664	8.3
MARITAL TERMINATIONS#	3,516	3 8	25	2 8	8	0 6	2	0 3	-	-	24	2 5	1	0 8	478	6 0

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		5,575		11,454		1,844		8,635		9,088		2,774		11,539	
RESIDENCE																
NATURAL INCREASE	3,431	3 7	(14)	-2.5	(9)	-0.8	(10)	-5 2	(19)	-2 2	(24)	-2.7	7	2.5	(43)	-3.7
LIVE BIRTHS, TOTAL	11,514	12.4	43	7 7	125	10.9	14	7 6	89	10 3	94	10 3	31	11 2	88	7.6
SEX-MALE	5,880	13 1	23	---	71	---	8	---	51	---	42	---	13	---	49	---
FEMALE	5,633	12.4	20	---	54	---	6	---	38	---	52	---	18	---	39	---
OUT-OF-WEDLOCK	3,938	342.0	9	209.3	49	392.0	4	285.7	30	337.1	46	489 4	8	258.1	27	306.8
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8 7	57	10 2	134	11.7	24	13 0	108	12.5	118	13.0	24	8.7	131	11.4
SEX-MALE	4,064	9.3	27	---	65	---	14	---	56	---	54	---	11	---	63	---
FEMALE	4,019	9.1	30	---	69	---	10	---	52	---	64	---	13	---	68	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4.6	1	23.3	1	8.0	-	-	1	11.2	1	10.6	-	-	-	-
NEONATAL (UNDER 29 DAYS)	30	2 6	1	23.3	-	-	-	-	-	-	-	-	-	-	-	-
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	-	-	1	8.0	-	-	1	11 2	1	10.6	-	-	-	-
FETAL DEATHS	40	3.5	-	-	-	-	-	-	-	-	-	-	1	32.3	1	11.4
PERINATAL DEATHS	70	6.1	1	23.3	-	-	-	-	-	-	-	-	1	32.3	1	11.4
LEADING CAUSES OF DEATH **																
CANCER	1,858	200.5	11	197.3	28	244 5	4	216.9	32	370.6	28	308.1	2	72.1	29	251.3
HEART DISEASE	1,834	197.9	9	161 4	27	235.7	7	379 6	19	220 0	23	253.1	8	288.4	21	182.0
CHRON LOWER RESP. DISEASES	578	62.4	5	89.7	9	78 6	4	216.9	6	69.5	10	110.0	-	-	9	78.0
ACCIDENTS	529	57.1	3	53.8	6	52 4	2	108.5	3	34.7	13	143.0	2	72.1	2	17.3
CEREBROVASVULAR DISEASE	484	52.2	1	17.9	5	43.7	2	108.5	5	57.9	8	88.0	-	-	18	156.0
DIABETES	236	25.5	2	35.9	11	96 0	-	-	4	46.3	1	11.0	1	36 0	8	69.3
ALZHEIMER'S DISEASE	228	24 6	3	53.8	5	43 7	1	54 2	3	34.7	1	11.0	1	36 0	7	60.7
SUICIDE	174	18.8	1	17.9	6	52 4	-	-	-	-	2	22.0	-	-	4	34 7
PNEUMONIA AND INFLUENZA	165	17.8	2	35.9	3	26.2	1	54 2	3	34.7	3	33.0	1	36.0	5	43 3
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11.5	1	17.9	2	17.5	1	54 2	3	34.7	1	11.0	2	72.1	1	8.7
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12.4	1	0.2	244	21.3	-	-	66	7.6	47	5.2	-	-	100	8.7
DEATHS (EXCLUDING FETAL), TOTAL	8,080	8.7	51	9 1	133	11.6	21	11 4	111	12.9	94	10.3	28	10 1	124	10.7
INFANT (UNDER 1 YEAR)	50	4.3	-	-	-	-	-	-	1	15.2	1	21.3	-	-	-	-
ACCIDENTAL	541	0 6	5	0.9	3	0.3	1	0.5	2	0 2	9	1.0	2	0.7	1	0.1
MOTOR VEHICLE	252	0.3	4	0.7	2	0.2	-	-	2	0.2	1	0.1	2	0.7	1	0 1
OTHER ACCIDENTAL	289	0.3	1	0.2	1	0.1	1	0.5	-	-	8	0.9	-	-	-	-
MARRIAGES SOLUMNIZED	6,946	7.5	32	5.7	77	6.7	9	4 9	63	7.3	51	5.6	24	8.7	92	8 0
MARITAL TERMINATIONS#	3,516	3.8	3	0.5	58	5 1	5	2 7	14	1 6	26	2.9	5	1.8	39	3 4

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		81,217		75,637		1,218		13,508		1,117		2,853		16,376	
RESIDENCE																
NATURAL INCREASE	3,431	3.7	328	4.1	649	8.9	15	12.1	162	12.2	(3)	-2.8	5	1.7	114	7.0
LIVE BIRTHS, TOTAL	11,514	12.4	1,045	12.9	985	13.0	20	16.4	268	19.8	11	9.8	20	7.0	271	16.5
SEX-MALE	5,880	13.1	544	---	471	---	13	---	132	---	5	---	13	---	157	---
FEMALE	5,633	12.4	501	---	514	---	7	---	135	---	6	---	7	---	114	---
OUT-OF-WEDLOCK	3,938	342.0	285	272.7	190	192.9	-	-	195	727.6	6	545.5	3	150.0	146	538.7
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8.7	717	8.8	336	4.4	5	4.1	106	7.8	14	12.5	15	5.3	157	9.6
SEX-MALE	4,064	9.3	374	---	162	---	1	---	63	---	8	---	8	---	76	---
FEMALE	4,019	9.1	343	---	174	---	4	---	43	---	6	---	7	---	81	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4.6	7	6.7	4	4.1	-	-	1	3.7	-	-	-	-	2	7.4
NEONATAL (UNDER 29 DAYS)	30	2.6	4	3.8	2	2.0	-	-	-	-	-	-	-	-	2	7.4
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	3	2.9	2	2.0	-	-	1	3.7	-	-	-	-	-	-
FETAL DEATHS	40	3.5	3	2.9	4	4.1	-	-	1	3.7	-	-	-	-	1	3.7
PERINATAL DEATHS	70	6.1	7	6.7	6	6.1	-	-	1	3.7	-	-	-	-	3	11.1
LEADING CAUSES OF DEATH **																
CANCER	1,858	200.5	172	211.8	75	99.2	1	82.1	20	148.1	2	179.1	3	105.2	30	183.2
HEART DISEASE	1,834	197.9	161	198.2	53	70.1	1	82.1	24	177.7	3	268.6	1	35.1	40	244.3
CHRON. LOWER RESP. DISEASES	578	62.4	49	60.3	19	25.1	-	-	5	37.0	1	89.5	2	70.1	9	55.0
ACCIDENTS	529	57.1	52	64.0	29	38.3	-	-	17	125.9	4	358.1	2	70.1	10	61.1
CEREBROVASVULAR DISEASE	484	52.2	60	73.9	22	29.1	-	-	1	7.4	-	-	-	-	10	61.1
DIABETES	236	25.5	14	17.2	8	10.6	2	164.2	12	88.8	1	89.5	-	-	7	42.7
ALZHEIMER'S DISEASE	228	24.6	15	18.5	12	15.9	-	-	2	14.8	-	-	-	-	3	18.3
SUICIDE	174	18.8	14	17.2	12	15.9	-	-	1	7.4	-	-	-	-	2	12.2
PNEUMONIA AND INFLUENZA	165	17.8	15	18.5	6	7.9	1	82.1	2	14.8	-	-	-	-	3	18.3
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11.5	12	14.8	4	5.3	-	-	-	-	-	-	-	-	1	6.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12.4	1,086	13.4	1,015	13.4	-	-	237	17.5	-	-	-	-	386	23.6
DEATHS (EXCLUDING FETAL), TOTAL	8,080	8.7	744	9.2	326	4.3	5	4.1	75	5.6	4	3.6	10	3.5	142	8.7
INFANT (UNDER 1 YEAR)	50	4.3	3	2.8	-	-	-	-	-	-	-	-	-	-	1	2.6
ACCIDENTAL	541	0.6	51	0.6	30	0.4	-	-	13	1.0	1	0.9	2	0.7	6	0.4
MOTOR VEHICLE	252	0.3	20	0.2	15	0.2	-	-	11	0.8	1	0.9	2	0.7	2	0.1
OTHER ACCIDENTAL	289	0.3	31	0.4	15	0.2	-	-	2	0.1	-	-	-	-	4	0.2
MARRIAGES SOLUMNIZED	6,946	7.5	702	8.6	683	9.0	10	8.2	84	6.2	1	0.9	23	8.1	100	6.1
MARITAL TERMINATIONS#	3,516	3.8	228	2.8	264	3.5	-	-	18	1.3	1	0.9	13	4.6	69	4.2

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		10,857		2,191		27,919		57,972		2,020		19,101		1,775	
RESIDENCE																
NATURAL INCREASE	3,431	3.7	20	1 9	(1)	-0.5	79	2.9	208	3 6	(5)	-2.5	(29)	-1.5	-	-
LIVE BIRTHS, TOTAL	11,514	12.4	104	9 6	13	5.9	349	12 5	694	12.0	11	5.4	157	8.2	11	6 2
SEX-MALE	5,880	13.1	52	---	7	---	174	---	353	---	5	---	84	---	3	---
FEMALE	5,633	12 4	52	---	6	---	175	---	341	---	6	---	73	---	8	---
OUT-OF-WEDLOCK	3,938	342.0	22	211.5	3	230.8	171	490.0	217	312.7	1	90.9	55	350 3	2	181.8
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8.7	84	7 7	14	6.4	270	9 7	486	8.4	16	7.9	186	9 7	11	6 2
SEX-MALE	4,064	9.3	55	---	12	---	145	---	249	---	10	---	102	---	8	---
FEMALE	4,019	9.1	29	---	2	---	125	---	237	---	6	---	84	---	3	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4.6	2	19.2	-	-	1	2.9	5	7.2	-	-	1	6.4	-	-
NEONATAL (UNDER 29 DAYS)	30	2.6	-	-	-	-	-	-	2	2.9	-	-	-	-	-	-
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	2	19 2	-	-	1	2.9	3	4 3	-	-	1	6.4	-	-
FETAL DEATHS	40	3 5	-	-	-	-	2	5.7	2	2 9	-	-	-	-	-	-
PERINATAL DEATHS	70	6.1	-	-	-	-	2	5.7	4	5.8	-	-	-	-	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,858	200.5	24	221.1	2	91 3	58	207.7	118	203.5	3	148.5	51	267.0	2	112.7
HEART DISEASE	1,834	197.9	20	184 2	5	228 2	61	218 5	105	181.1	8	396.0	45	235 6	3	169.0
CHRON LOWER RESP. DISEASES	578	62.4	5	46.1	1	45 6	17	60.9	37	63.8	-	-	13	68.1	-	-
ACCIDENTS	529	57.1	3	27 6	-	-	33	118 2	21	36 2	1	49.5	12	62.8	4	225.4
CEREBROVASVULAR DISEASE	484	52 2	-	-	1	45 6	16	57.3	24	41.4	-	-	7	36.6	-	-
DIABETES	236	25.5	2	18 4	1	45 6	2	7 2	13	22.4	-	-	4	20 9	-	-
ALZHEIMER'S DISEASE	228	24 6	1	9 2	-	-	1	3 6	7	12.1	2	99 0	7	36.6	-	-
SUICIDE	174	18 8	2	18.4	1	45.6	5	17 9	12	20.7	-	-	4	20.9	1	56.3
PNEUMONIA AND INFLUENZA	165	17 8	1	9.2	-	-	11	39 4	17	29.3	-	-	3	15.7	-	-
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11.5	1	9 2	-	-	1	3 6	7	12.1	-	-	2	10.5	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12.4	3	0.3	-	-	284	10.2	754	13.0	12	5.9	96	5.0	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,080	8.7	48	4 4	9	4 1	222	8.0	517	8 9	20	9.9	143	7.5	13	7.3
INFANT (UNDER 1 YEAR)	50	4.3	1	333.3	-	-	1	3.5	4	5.3	-	-	1	10.4	-	-
ACCIDENTAL	541	0.6	3	0.3	2	0.9	26	0.9	24	0 4	1	0.5	11	0.6	6	3.4
MOTOR VEHICLE	252	0.3	3	0.3	-	-	10	0.4	6	0.1	1	0.5	2	0.1	3	1.7
OTHER ACCIDENTAL	289	0.3	-	-	2	0.9	16	0 6	18	0 3	-	-	9	0.5	3	1.7
MARRIAGES SOLUMNIZED	6,946	7.5	58	5 3	7	3.2	196	7.0	402	6 9	11	5.4	144	7.5	6	3.4
MARITAL TERMINATIONS#	3,516	3.8	16	1.5	3	1 4	103	3.7	308	5.3	3	1.5	84	4.4	4	2.3

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		7,079		1,977		3,879		99,018		4,515		15,791		492	
RESIDENCE																
NATURAL INCREASE	3,431	3.7	(29)	-4 2	-	-	9	2.3	525	5.3	(12)	-2.7	7	0 4	-	-
LIVE BIRTHS, TOTAL	11,514	12.4	40	5 7	19	9 6	48	12 4	1,205	12 2	42	9 3	146	9 2	3	6 1
SEX-MALE	5,880	13.1	23	---	9	---	28	---	628	---	12	---	75	---	-	---
FEMALE	5,633	12.4	17	---	10	---	20	---	577	---	30	---	71	---	3	---
OUT-OF-WEDLOCK	3,938	342.0	6	150 0	1	52 6	19	395 8	371	307.9	14	333.3	36	246 6	-	-
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8.7	69	9 7	19	9 6	39	10 1	680	6.9	54	12 0	139	8 8	3	6.1
SEX-MALE	4,064	9.3	28	---	7	---	26	---	340	---	30	---	71	---	3	---
FEMALE	4,019	9 1	41	---	12	---	13	---	340	---	24	---	68	---	-	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4 6	-	-	-	-	1	20 8	5	4 1	1	23 8	-	-	-	-
NEONATAL (UNDER 29 DAYS)	30	2 6	-	-	-	-	1	20 8	3	2 5	1	23 8	-	-	-	-
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	-	-	-	-	-	-	2	1 7	-	-	-	-	-	-
FETAL DEATHS	40	3.5	-	-	-	-	-	-	4	3.3	-	-	-	-	-	-
PERINATAL DEATHS	70	6.1	-	-	-	-	1	20 8	7	5.8	1	23.8	-	-	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,858	200 5	12	169 5	2	101.2	8	206 2	151	152.5	15	332 2	38	240 6	-	-
HEART DISEASE	1,834	197 9	23	324.9	4	202.3	8	206 2	150	151 5	16	354 4	23	145.7	1	203.3
CHRON LOWER RESP DISEASES	578	62 4	5	70 6	1	50 6	7	180.5	56	56.6	4	88 6	3	19.0	1	203.3
ACCIDENTS	529	57.1	5	70 6	3	151 7	3	77 3	38	38.4	1	22 1	15	95 0	-	-
CEREBROVASVULAR DISEASE	484	52 2	4	56.5	2	101 2	2	51 6	45	45 4	3	66 4	6	38.0	-	-
DIABETES	236	25.5	1	14 1	1	50 6	-	-	21	21 2	2	44.3	3	19 0	-	-
ALZHEIMER'S DISEASE	228	24 6	-	-	2	101 2	-	-	20	20.2	3	66 4	6	38 0	-	-
SUICIDE	174	18.8	2	28 3	-	-	-	-	23	23.2	2	44 3	4	25 3	-	-
PNEUMONIA AND INFLUENZA	165	17.8	1	14.1	-	-	2	51 6	15	15.1	-	-	3	19 0	-	-
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11 5	-	-	-	-	-	-	6	6.1	-	-	1	6 3	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12 4	-	-	-	-	1	0 3	1,631	16.5	-	-	138	8 7	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,080	8 7	58	8 2	20	10 1	33	8.5	864	8.7	39	8 6	114	7 2	3	6 1
INFANT (UNDER 1 YEAR)	50	4.3	-	-	-	-	-	-	9	5.5	-	-	-	-	-	-
ACCIDENTAL	541	0 6	8	1 1	5	2 5	2	0 5	56	0 6	1	0 2	13	0 8	2	4 1
MOTOR VEHICLE	252	0.3	4	0 6	2	1 0	2	0 5	23	0 2	-	-	5	0 3	2	4 1
OTHER ACCIDENTAL	289	0 3	4	0 6	3	1 5	-	-	33	0 3	1	0 2	8	0 5	-	-
MARRIAGES SOLUMNIZED	6,946	7.5	62	8 8	12	6 1	45	11 6	710	7 2	30	6 6	176	11 1	1	2 0
MARITAL TERMINATIONS#	3,516	3 8	22	3 1	6	3 0	-	-	499	5 0	19	4 2	59	3 7	-	-

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		4,201		6,148		1,785		6,873		1,147		39,376		9,112	
RESIDENCE																
NATURAL INCREASE	3,431	3.7	(2)	-0.5	(27)	-4.4	(5)	-2.7	(24)	-3.5	(11)	-9 4	63	1.6	22	2.4
LIVE BIRTHS, TOTAL	11,514	12.4	36	8 6	70	11 4	11	6 2	49	7 1	7	6.1	397	10.1	109	12.0
SEX-MALE	5,880	13.1	19	---	37	—	5	---	26	---	2	—	219	—	49	—
FEMALE	5,633	12 4	17	---	33	—	6	—	23	—	5	---	178	---	60	—
OUT-OF-WEDLOCK	3,938	342 0	9	250.0	32	457.1	3	272 7	17	346.9	2	285.7	80	201 5	38	348.6
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8.7	38	9 0	97	15 8	16	9.0	73	10.6	18	15.7	334	8.5	87	9 5
SEX-MALE	4,064	9.3	16	---	45	—	7	—	39	—	10	—	163	---	49	—
FEMALE	4,019	9.1	22	—	52	—	9	—	34	—	8	---	171	—	38	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEONATAL (UNDER 29 DAYS)	30	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS	40	3.5	-	-	-	-	-	-	-	-	-	-	1	2.5	-	-
PERINATAL DEATHS	70	6.1	-	-	-	-	-	-	-	-	-	-	1	2.5	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,858	200.5	11	261.8	20	325 3	2	112.0	20	291.0	7	610 3	84	213.3	17	186 6
HEART DISEASE	1,834	197.9	8	190 4	25	406 6	5	280.1	16	232.8	4	348.7	69	175.2	22	241.4
CHRON LOWER RESP DISEASES	578	62.4	4	95.2	4	65.1	1	56.0	8	116 4	2	174 4	29	73.6	4	43.9
ACCIDENTS	529	57.1	2	47.6	15	244 0	2	112.0	5	72 7	-	-	17	43.2	8	87.8
CEREBROVASVULAR DISEASE	484	52.2	2	47 6	4	65 1	-	-	3	43.6	-	-	19	48.3	5	54.9
DIABETES	236	25.5	-	-	2	32.5	1	56.0	3	43 6	-	-	6	15.2	1	11.0
ALZHEIMER'S DISEASE	228	24.6	-	-	2	32.5	-	-	-	-	1	87 2	18	45.7	5	54.9
SUICIDE	174	18.8	-	-	2	32.5	-	-	1	14.5	-	-	5	12.7	1	11.0
PNEUMONIA AND INFLUENZA	165	17.8	-	-	2	32 5	-	-	2	29.1	-	-	6	15.2	-	-
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11.5	-	-	1	16 3	-	-	1	14.5	1	87.2	3	7.6	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12.4	2	0.5	39	6.3	-	-	11	1.6	-	-	218	5 5	114	12.5
DEATHS (EXCLUDING FETAL), TOTAL.	8,080	8.7	30	7.1	69	11 2	16	9.0	61	8.9	11	9.6	263	6.7	87	9.5
INFANT (UNDER 1 YEAR)	50	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL	541	0.6	3	0.7	10	1 6	4	2 2	6	0 9	-	-	9	0.2	9	1.0
MOTOR VEHICLE	252	0.3	2	0.5	6	1.0	2	1.1	2	0.3	-	-	3	0.1	3	0.3
OTHER ACCIDENTAL	289	0.3	1	0 2	4	0.7	2	1.1	4	0.6	-	-	6	0.2	6	0.7
MARRIAGES SOLUMNIZED	6,946	7.5	33	7.9	40	6.5	8	4 5	36	5.2	6	5 2	254	6 5	77	8.5
MARITAL TERMINATIONS#	3,516	3.8	6	1.4	19	3.1	1	0 6	16	2.3	-	-	140	3 6	27	3.0

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		10,660		9,270		10,945		3,620		33,093		8,391		3,699	
RESIDENCE																
NATURAL INCREASE	3,431	3.7	130	12 4	108	11 6	(17)	-1 6	(34)	-9 3	(55)	-1 7	35	4 1	8	2 2
LIVE BIRTHS, TOTAL	11,514	12 4	239	22 4	180	19 4	92	8 4	28	7.7	375	11 3	101	12.0	34	9 2
SEX-MALE	5,880	13 1	119	---	94	---	52	---	11	---	193	---	60	---	18	---
FEMALE	5,633	12 4	120	---	86	---	40	---	17	---	182	---	41	---	16	---
OUT-OF-WEDLOCK	3,938	342.0	158	661.1	102	566 7	30	326 1	10	357 1	162	432 0	21	207.9	8	235 3
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8 7	109	10.2	72	7 8	109	10 0	62	17.1	430	13.0	66	7.9	26	7 0
SEX-MALE	4,064	9 3	55	---	34	---	70	---	32	---	199	---	37	---	11	---
FEMALE	4,019	9 1	54	---	38	---	39	---	30	---	231	---	29	---	15	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4 6	3	12 6	2	11 1	-	-	-	-	2	5.3	-	-	-	-
NEONATAL (UNDER 29 DAYS)	30	2 6	3	12 6	1	5 6	-	-	-	-	1	2 7	-	-	-	-
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	-	-	1	5 6	-	-	-	-	1	2 7	-	-	-	-
FETAL DEATHS	40	3 5	1	4 2	1	5 6	-	-	-	-	6	16.0	1	9 9	-	-
PERINATAL DEATHS	70	6 1	4	16.7	2	11 1	-	-	-	-	7	18 7	1	9.9	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,858	200.5	25	234 5	23	248 1	27	246 7	15	414 4	90	272 0	11	131.1	5	135 2
HEART DISEASE	1,834	197 9	15	140 7	17	183 4	24	219 3	18	497 2	125	377.7	21	250.3	4	108 1
CHRON LOWER RESP DISEASES	578	62 4	5	46.9	2	21 6	6	54 8	3	82 9	35	105.8	5	59.6	-	-
ACCIDENTS	529	57 1	10	93.8	5	53 9	8	73 1	5	138.1	29	87 6	8	95.3	2	54 1
CEREBROVASVULAR DISEASE	484	52 2	8	75.0	2	21 6	10	91.4	2	55 2	22	66.5	5	59 6	1	27.0
DIABETES	236	25 5	7	65.7	2	21.6	1	9 1	4	110 5	12	36.3	2	23.8	-	-
ALZHEIMER'S DISEASE	228	24 6	2	18 8	1	10 8	2	18 3	1	27 6	8	24 2	3	35.8	1	27 0
SUICIDE	174	18 8	2	18.8	1	10 8	3	27 4	1	27 6	9	27 2	1	11.9	1	27.0
PNEUMONIA AND INFLUENZA	165	17.8	2	18 8	2	21 6	3	27 4	3	82.9	3	9 1	2	23 8	1	27 0
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11 5	1	9 4	3	32 4	1	9 1	1	27 6	4	12 1	1	11 9	2	54 1
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12 4	109	10 2	1	0 1	44	4 0	19	5 2	451	13 6	2	0.2	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,080	8.7	84	7 9	45	4 9	83	7 6	51	14 1	443	13.4	54	6 4	24	6 5
INFANT (UNDER 1 YEAR)	50	4 3	-	-	1	1000.0	-	-	-	-	3	6.7	-	-	-	-
ACCIDENTAL	541	0 6	8	0 8	6	0 6	11	1.0	4	1.1	26	0 8	7	0 8	2	0 5
MOTOR VEHICLE	252	0.3	1	0.1	4	0 4	6	0.5	1	0.3	10	0 3	7	0 8	2	0 5
OTHER ACCIDENTAL	289	0.3	7	0 7	2	0 2	5	0.5	3	0 8	16	0 5	-	-	-	-
MARRIAGES SOLUMNIZED	6,946	7 5	79	7 4	31	3 3	87	7.9	21	5.8	237	7.2	55	6.6	24	6 5
MARITAL TERMINATIONS#	3,516	3 8	9	0 8	8	0 9	23	2 1	8	2 2	161	4 9	17	2 0	17	4 6

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONCLUDED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2004

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	926,865		6,283		5,094		745		7,270		2,068		971		134,717	
RESIDENCE																
NATURAL INCREASE	3,431	3.7	(6)	-0.9	(9)	-1.8	1	1.3	(19)	-2.6	(11)	-5.2	(15)	-15.2	708	5.3
LIVE BIRTHS, TOTAL	11,514	12.4	50	8.0	45	8.8	6	8.1	71	9.8	16	7.7	8	8.2	1,868	13.9
SEX-MALE	5,880	13.1	24	---	24	---	-	---	33	---	7	---	2	---	976	---
FEMALE	5,633	12.4	26	---	21	---	6	---	38	---	9	---	6	---	892	---
OUT-OF-WEDLOCK	3,938	342.0	8	160.0	14	311.1	3	500.0	28	394.4	4	250.0	4	500.0	669	358.1
DEATHS (EXCLUDING FETALS), TOTAL	8,083	8.7	56	8.9	54	10.6	5	6.7	90	12.4	27	13.1	23	23.7	1,160	8.6
SEX-MALE	4,064	9.3	23	---	28	---	3	---	47	---	12	---	6	---	562	---
FEMALE	4,019	9.1	33	---	26	---	2	---	43	---	15	---	17	---	598	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	53	4.6	-	-	-	-	-	-	-	-	-	-	-	-	4	2.1
NEONATAL (UNDER 29 DAYS)	30	2.6	-	-	-	-	-	-	-	-	-	-	-	-	3	1.6
POSTNEONATAL (29 DAYS-1 YEAR)	23	2.0	-	-	-	-	-	-	-	-	-	-	-	-	1	0.5
FETAL DEATHS	40	3.5	-	-	-	-	-	-	-	-	-	-	-	-	4	2.1
PERINATAL DEATHS	70	6.1	-	-	-	-	-	-	-	-	-	-	-	-	7	3.7
LEADING CAUSES OF DEATH **																
CANCER	1,858	200.5	11	175.1	9	176.7	1	134.2	20	275.1	2	96.7	3	309.0	279	207.1
HEART DISEASE	1,834	197.9	16	254.7	12	235.6	1	134.2	27	371.4	6	290.1	8	823.9	274	203.4
CHRON. LOWER RESP. DISEASES	578	62.4	7	111.4	9	176.7	-	-	3	41.3	3	145.1	2	206.0	95	70.5
ACCIDENTS	529	57.1	1	15.9	2	39.3	1	134.2	5	68.8	-	-	1	103.0	52	38.6
CEREBROVASVULAR DISEASE	484	52.2	3	47.7	4	78.5	-	-	4	55.0	5	241.8	1	103.0	78	57.9
DIABETES	236	25.5	4	63.7	3	58.9	1	134.2	5	68.8	2	96.7	-	-	23	17.1
ALZHEIMER'S DISEASE	228	24.6	2	31.8	-	-	1	134.2	2	27.5	1	48.4	1	103.0	28	20.8
SUICIDE	174	18.8	-	-	1	19.6	-	-	1	13.8	1	48.4	-	-	23	17.1
PNEUMONIA AND INFLUENZA	165	17.8	2	31.8	2	39.3	-	-	-	-	1	48.4	-	-	18	13.4
NEPHRITIS, NEPHROTIC, & NEPHROSIS	107	11.5	1	15.9	-	-	-	-	3	41.3	1	48.4	1	103.0	17	12.6
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,526	12.4	4	0.6	38	7.5	-	-	154	21.2	-	-	-	-	2,449	18.2
DEATHS (EXCLUDING FETAL), TOTAL	8,080	8.7	45	7.2	51	10.0	-	-	90	12.4	22	10.6	18	18.5	1,421	10.5
INFANT (UNDER 1 YEAR)	50	4.3	-	-	-	-	-	-	2	13.0	-	-	-	-	11	4.5
ACCIDENTAL	541	0.6	-	-	-	-	-	-	10	1.4	-	-	1	1.0	65	0.5
MOTOR VEHICLE	252	0.3	-	-	-	-	-	-	3	0.4	-	-	1	1.0	31	0.2
OTHER ACCIDENTAL	289	0.3	-	-	-	-	-	-	7	1.0	-	-	-	-	34	0.3
MARRIAGES SOLUMNIZED	6,946	7.5	34	5.4	36	7.1	4	5.4	45	6.2	11	5.3	5	5.1	933	6.9
MARITAL TERMINATIONS#	3,516	3.8	12	1.9	14	2.7	1	1.3	20	2.8	5	2.4	3	3.1	602	4.5

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-8

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
TOTAL											
LIVE BIRTHS											
NUMBER	11,514	4	349	872	3,327	3,233	2,398	1,070	242	19	-
PERCENT	100 0	-	3.0	7.6	28 9	28.1	20 8	9 3	2 1	0 2	-
FETAL DEATHS											
NUMBER	40	-	-	4	8	11	10	4	3	-	-
PERCENT	100 0	-	-	10 0	20 0	27.5	25 0	10 0	7 5	-	-
INDUCED ABORTIONS											
NUMBER	2,061	9	165	240	722	441	226	167	82	8	1
PERCENT	100 0	0 4	8 0	11 6	35 0	21 4	11 0	8 1	4 0	0 4	-
BEAVERHEAD											
LIVE BIRTHS											
NUMBER	82	-	-	8	29	18	14	8	4	1	-
PERCENT	100 0	-	-	9 8	35 4	22.0	17.1	9 8	4 9	1 2	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100 0	-	-	-	-	-	-	100 0	-	-	-
INDUCED ABORTIONS											
NUMBER	17	-	2	1	8	2	2	1	1	-	-
PERCENT	100 0	-	11 8	5 9	47.1	11 8	11 8	5 9	5 9	-	-
BIG HORN											
LIVE BIRTHS											
NUMBER	266	-	21	32	84	73	38	17	1	-	-
PERCENT	100 0	-	7 9	12 0	31 6	27 4	14 3	6 4	0 4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	21	1	4	2	4	6	3	1	-	-	-
PERCENT	100 0	4 8	19 0	9 5	19.0	28.6	14 3	4 8	-	-	-
BLAINE											
LIVE BIRTHS											
NUMBER	123	-	9	17	33	32	19	10	3	-	-
PERCENT	100.0	-	7.3	13.8	26.8	26 0	15 4	8.1	2 4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	1	-	3	-	2	-	-	-	-
PERCENT	100.0	-	16.7	-	50 0	-	33 3	-	-	-	-
BROADWATER											
LIVE BIRTHS											
NUMBER	32	-	4	-	7	10	6	3	2	-	-
PERCENT	100 0	-	12.5	-	21.9	31.3	18 8	9 4	6 3	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100 0	-	-	-	-	100 0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	1	-	2	2	-	1	-	-	-
PERCENT	100 0	-	16.7	-	33 3	33 3	-	16 7	-	-	-
CARBON											
LIVE BIRTHS											
NUMBER	110	-	2	3	21	36	27	18	3	-	-
PERCENT	100 0	-	1.8	2.7	19 1	32.7	24 5	16 4	2 7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	20	-	-	2	8	2	2	3	3	-	-
PERCENT	100 0	-	-	10 0	40 0	10 0	10 0	15 0	15 0	-	-
CARTER											
LIVE BIRTHS											
NUMBER	7	-	-	-	2	1	2	2	-	-	-
PERCENT	100 0	-	-	-	28 6	14 3	28 6	28 6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	1	1	-	-	1	-	-	-	-
PERCENT	100.0	-	33 3	33 3	-	-	33 3	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
CASCADE											
LIVE BIRTHS											
NUMBER	1,156	1	41	82	393	352	186	81	18	2	-
PERCENT	100.0	0.1	3.5	7.1	34.0	30.4	16.1	7.0	1.6	0.2	-
FETAL DEATHS											
NUMBER	5	-	-	-	3	2	-	-	-	-	-
PERCENT	100.0	-	-	-	60.0	40.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	184	-	17	22	63	42	16	16	8	-	-
PERCENT	100.0	-	9.2	12.0	34.2	22.8	8.7	8.7	4.3	-	-
CHOUTEAU											
LIVE BIRTHS											
NUMBER	43	-	-	1	11	14	14	1	2	-	-
PERCENT	100.0	-	-	2.3	25.6	32.6	32.6	2.3	4.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	1	-	-	1	-	-	-
PERCENT	100.0	-	-	-	50.0	-	-	50.0	-	-	-
CUSTER											
LIVE BIRTHS											
NUMBER	125	-	2	10	44	26	34	6	3	-	-
PERCENT	100.0	-	1.6	8.0	35.2	20.8	27.2	4.8	2.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	17	-	2	1	8	2	2	2	-	-	-
PERCENT	100.0	-	11.8	5.9	47.1	11.8	11.8	11.8	-	-	-
DANIELS											
LIVE BIRTHS											
NUMBER	14	-	-	1	4	7	1	1	-	-	-
PERCENT	100.0	-	-	7.1	28.6	50.0	7.1	7.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
DAWSON											
LIVE BIRTHS											
NUMBER	89	-	4	11	23	26	19	6	-	-	-
PERCENT	100.0	-	4.5	12.4	25.8	29.2	21.3	6.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	1	1	6	-	1	1	-	-	-
PERCENT	100.0	-	10.0	10.0	60.0	-	10.0	10.0	-	-	-
DEER LODGE											
LIVE BIRTHS											
NUMBER	94	-	5	8	32	21	18	10	-	-	-
PERCENT	100.0	-	5.3	8.5	34.0	22.3	19.1	10.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	1	1	2	4	4	1	-	1	-
PERCENT	100.0	-	7.1	7.1	14.3	28.6	28.6	7.1	-	7.1	-
FALLON											
LIVE BIRTHS											
NUMBER	31	-	1	4	9	9	5	2	1	-	-
PERCENT	100.0	-	3.2	12.9	29.0	29.0	16.1	6.5	3.2	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	1	-	-	-	2	-	-	-	-
PERCENT	100.0	-	33.3	-	-	-	66.7	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
FERGUS											
LIVE BIRTHS											
NUMBER	88	-	2	9	18	29	23	7	-	-	-
PERCENT	100 0	-	2.3	10 2	20.5	33 0	26.1	8 0	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100 0	-	-	-	-	-	100 0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	1	1	3	2	4	-	3	-	-
PERCENT	100 0	-	7 1	7 1	21 4	14.3	28 6	-	21.4	-	-
FLATHEAD											
LIVE BIRTHS											
NUMBER	1,045	-	28	67	293	288	227	112	28	2	-
PERCENT	100 0	-	2.7	6.4	28 0	27.6	21.7	10.7	2.7	0 2	-
FETAL DEATHS											
NUMBER	3	-	-	-	1	1	1	-	-	-	-
PERCENT	100.0	-	-	-	33.3	33.3	33.3	-	-	-	-
INDUCED ABORTIONS											
NUMBER	224	2	20	32	70	43	22	25	10	-	-
PERCENT	100 0	0 9	8 9	14 3	31 3	19 2	9 8	11.2	4 5	-	-
GALLATIN											
LIVE BIRTHS											
NUMBER	985	1	12	26	232	312	258	119	24	1	-
PERCENT	100 0	0 1	1 2	2 6	23.6	31.7	26 2	12 1	2 4	0 1	-
FETAL DEATHS											
NUMBER	4	-	-	-	-	2	2	-	-	-	-
PERCENT	100 0	-	-	-	-	50.0	50 0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	216	-	6	25	76	63	24	14	5	3	-
PERCENT	100 0	-	2.8	11 6	35 2	29.2	11.1	6 5	2 3	1 4	-
GARFIELD											
LIVE BIRTHS											
NUMBER	20	-	-	-	7	6	5	1	1	-	-
PERCENT	100 0	-	-	-	35 0	30 0	25 0	5 0	5 0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
GLACIER											
LIVE BIRTHS											
NUMBER	268	1	20	54	79	64	27	21	2	-	-
PERCENT	100 0	0 4	7 5	20 1	29 5	23 9	10 1	7 8	0.7	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100 0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	41	2	8	6	11	11	2	1	-	-	-
PERCENT	100 0	4 9	19 5	14 6	26 8	26 8	4 9	2 4	-	-	-
GOLDEN VALLEY											
LIVE BIRTHS											
NUMBER	11	-	2	-	4	3	1	1	-	-	-
PERCENT	100 0	-	18.2	-	36 4	27 3	9 1	9.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	-	1	-	-
PERCENT	100 0	-	-	-	-	-	-	-	100 0	-	-
GRANITE											
LIVE BIRTHS											
NUMBER	20	-	1	2	4	7	5	-	1	-	-
PERCENT	100 0	-	5 0	10 0	20 0	35 0	25 0	-	5 0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	2	-	-	-	-	-	-	-
PERCENT	100 0	-	-	100 0	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
HILL											
LIVE BIRTHS											
NUMBER	271	-	14	25	84	71	49	23	2	3	-
PERCENT	100.0	-	5.2	9.2	31.0	26.2	18.1	8.5	0.7	1.1	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	24	1	4	3	6	6	2	2	-	-	-
PERCENT	100.0	4.2	16.7	12.5	25.0	25.0	8.3	8.3	-	-	-
JEFFERSON											
LIVE BIRTHS											
NUMBER	104	-	4	5	24	24	33	14	-	-	-
PERCENT	100.0	-	3.8	4.8	23.1	23.1	31.7	13.5	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	1	2	-	4	3	1	2	-	-	-
PERCENT	100.0	7.7	15.4	-	30.8	23.1	7.7	15.4	-	-	-
JUDITH BASIN											
LIVE BIRTHS											
NUMBER	13	-	-	-	4	3	4	2	-	-	-
PERCENT	100.0	-	-	-	30.8	23.1	30.8	15.4	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	-	-	2	1	2	-	-	-	-
PERCENT	100.0	-	-	-	40.0	20.0	40.0	-	-	-	-
LAKE											
LIVE BIRTHS											
NUMBER	349	-	20	37	115	86	58	25	8	-	-
PERCENT	100.0	-	5.7	10.6	33.0	24.6	16.6	7.2	2.3	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	-	1	1	-	-	-	-
PERCENT	100.0	-	-	-	-	50.0	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	48	-	4	7	21	6	7	2	1	-	-
PERCENT	100.0	-	8.3	14.6	43.8	12.5	14.6	4.2	2.1	-	-
LEWIS & CLARK											
LIVE BIRTHS											
NUMBER	694	1	25	43	207	171	149	78	18	2	-
PERCENT	100.0	0.1	3.6	6.2	29.8	24.6	21.5	11.2	2.6	0.3	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	-	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	135	-	18	17	45	21	18	13	2	1	-
PERCENT	100.0	-	13.3	12.6	33.3	15.6	13.3	9.6	1.5	0.7	-
LIBERTY											
LIVE BIRTHS											
NUMBER	11	-	-	-	1	6	3	1	-	-	-
PERCENT	100.0	-	-	-	9.1	54.5	27.3	9.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
LINCOLN											
LIVE BIRTHS											
NUMBER	157	-	7	13	56	40	28	11	2	-	-
PERCENT	100.0	-	4.5	8.3	35.7	25.5	17.8	7.0	1.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	20	-	1	3	4	5	3	1	3	-	-
PERCENT	100.0	-	5.0	15.0	20.0	25.0	15.0	5.0	15.0	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
MCCONE											
LIVE BIRTHS											
NUMBER	11	-	1	1	2	6	1	-	-	-	-
PERCENT	100 0	-	9 1	9 1	18 2	54.5	9 1	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
MADISON											
LIVE BIRTHS											
NUMBER	40	-	1	2	10	7	16	4	-	-	-
PERCENT	100.0	-	2 5	5 0	25 0	17.5	40 0	10 0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	1	2	8	-	1	-	-	-	-
PERCENT	100.0	-	8 3	16 7	66 7	-	8 3	-	-	-	-
MEAGHER											
LIVE BIRTHS											
NUMBER	19	-	-	1	4	5	6	2	1	-	-
PERCENT	100 0	-	-	5 3	21 1	26.3	31.6	10 5	5 3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	1	1	-	-	-	2	-	-	-
PERCENT	100.0	-	25.0	25.0	-	-	-	50 0	-	-	-
MINERAL											
LIVE BIRTHS											
NUMBER	48	-	1	2	18	14	7	3	3	-	-
PERCENT	100.0	-	2 1	4 2	37 5	29 2	14 6	6 3	6.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	3	1	2	-	-	2	1	-	-
PERCENT	100.0	-	33 3	11.1	22 2	-	-	22 2	11 1	-	-
MISSOULA											
LIVE BIRTHS											
NUMBER	1,205	-	17	71	331	344	293	119	29	1	-
PERCENT	100 0	-	1 4	5 9	27 5	28 5	24 3	9 9	2 4	0 1	-
FETAL DEATHS											
NUMBER	4	-	-	-	1	-	1	-	2	-	-
PERCENT	100 0	-	-	-	25 0	-	25.0	-	50 0	-	-
INDUCED ABORTIONS											
NUMBER	354	1	24	47	149	79	23	16	15	-	-
PERCENT	100 0	0 3	6 8	13 3	42 1	22 3	6 5	4 5	4 2	-	-
MUSSELSHELL											
LIVE BIRTHS											
NUMBER	42	-	-	3	14	11	9	5	-	-	-
PERCENT	100 0	-	-	7 1	33 3	26 2	21 4	11 9	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	1	1	-	1	1	-	-	-
PERCENT	100 0	-	-	25 0	25 0	-	25 0	25 0	-	-	-
PARK											
LIVE BIRTHS											
NUMBER	146	-	1	6	33	41	41	18	6	-	-
PERCENT	100 0	-	0 7	4 1	22 6	28 1	28.1	12.3	4 1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	28	-	3	1	8	9	3	2	2	-	-
PERCENT	100 0	-	10.7	3 6	28 6	32.1	10 7	7 1	7.1	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
PETROLEUM											
LIVE BIRTHS											
NUMBER	3	-	-	-	2	-	1	-	-	-	-
PERCENT	100.0	-	-	-	66.7	-	33.3	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS											
LIVE BIRTHS											
NUMBER	36	-	1	4	11	11	6	3	-	-	-
PERCENT	100.0	-	2.8	11.1	30.6	30.6	16.7	8.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	1	1	1	3	-	-	-	-	-
PERCENT	100.0	-	16.7	16.7	16.7	50.0	-	-	-	-	-
PONDERA											
LIVE BIRTHS											
NUMBER	70	-	2	4	26	22	10	6	-	-	-
PERCENT	100.0	-	2.9	5.7	37.1	31.4	14.3	8.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	1	-	-	-	1	-	-
PERCENT	100.0	-	-	-	50.0	-	-	-	50.0	-	-
POWDER RIVER											
LIVE BIRTHS											
NUMBER	11	-	-	1	4	3	1	2	-	-	-
PERCENT	100.0	-	-	9.1	36.4	27.3	9.1	18.2	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
POWELL											
LIVE BIRTHS											
NUMBER	49	-	4	3	12	9	14	3	4	-	-
PERCENT	100.0	-	8.2	6.1	24.5	18.4	28.6	6.1	8.2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	1	2	5	3	-	1	-	-	-
PERCENT	100.0	-	8.3	16.7	41.7	25.0	-	8.3	-	-	-
PRAIRIE											
LIVE BIRTHS											
NUMBER	7	-	-	-	2	2	3	-	-	-	-
PERCENT	100.0	-	-	-	28.6	28.6	42.9	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
RAVALLI											
LIVE BIRTHS											
NUMBER	397	-	6	24	95	113	95	52	12	-	-
PERCENT	100.0	-	1.5	6.0	23.9	28.5	23.9	13.1	3.0	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	41	-	3	4	15	9	4	2	4	-	-
PERCENT	100.0	-	7.3	9.8	36.6	22.0	9.8	4.9	9.8	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
RICHLAND											
LIVE BIRTHS											
NUMBER	109	-	7	12	24	32	25	9	-	-	-
PERCENT	100 0	-	6 4	11 0	22 0	29 4	22 9	8 3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	1	2	6	2	2	-	1	-	-
PERCENT	100 0	-	7 1	14 3	42 9	14 3	14 3	-	7 1	-	-
ROOSEVELT											
LIVE BIRTHS											
NUMBER	239	-	16	34	85	53	34	15	2	-	-
PERCENT	100 0	-	6 7	14 2	35 6	22 2	14 2	6 3	0 8	-	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100 0	-	-	100 0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	23	-	1	1	10	6	2	2	1	-	-
PERCENT	100 0	-	4 3	4 3	43 5	26 1	8 7	8 7	4 3	-	-
ROSEBUD											
LIVE BIRTHS											
NUMBER	180	-	9	24	48	57	21	14	7	-	-
PERCENT	100 0	-	5 0	13 3	26 7	31 7	11 7	7 8	3 9	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100 0	-	-	-	100 0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	18	-	2	3	3	3	3	3	1	-	-
PERCENT	100 0	-	11 1	16 7	16 7	16 7	16 7	16 7	5 6	-	-
SANDERS											
LIVE BIRTHS											
NUMBER	92	-	5	8	19	34	22	4	-	-	-
PERCENT	100 0	-	5 4	8 7	20 7	37 0	23 9	4 3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	1	5	-	1	1	3	-	-	-
PERCENT	100 0	-	9 1	45 5	-	9 1	9 1	27 3	-	-	-
SHERIDAN											
LIVE BIRTHS											
NUMBER	28	-	1	5	2	8	6	4	2	-	-
PERCENT	100 0	-	3 6	17 9	7 1	28 6	21 4	14 3	7 1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100 0	-	-	-	-	-	100 0	-	-	-	-
SILVER BOW											
LIVE BIRTHS											
NUMBER	375	-	13	36	120	96	66	31	13	-	-
PERCENT	100 0	-	3 5	9 6	32 0	25 6	17 6	8 3	3 5	-	-
FETAL DEATHS											
NUMBER	6	-	-	1	-	3	-	2	-	-	-
PERCENT	100 0	-	-	16 7	-	50 0	-	33 3	-	-	-
INDUCED ABORTIONS											
NUMBER	70	-	6	7	19	15	13	5	2	2	1
PERCENT	100 0	-	8 6	10 0	27 1	21 4	18 6	7 1	2 9	2 9	1 4
STILLWATER											
LIVE BIRTHS											
NUMBER	101	-	1	3	29	37	22	8	1	-	-
PERCENT	100 0	-	1 0	3 0	28 7	36 6	21 8	7 9	1 0	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100 0	-	-	-	-	-	100 0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	2	-	8	-	1	1	2	-	-
PERCENT	100 0	-	14 3	-	57 1	-	7 1	7 1	14 3	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S.+
SWEET GRASS											
LIVE BIRTHS											
NUMBER	34	-	-	3	13	8	9	1	-	-	-
PERCENT	100 0	-	-	8 8	38.2	23.5	26.5	2 9	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	-	1	3	-	-	2	-	-	-
PERCENT	100.0	-	-	16.7	50.0	-	-	33.3	-	-	-
TETON											
LIVE BIRTHS											
NUMBER	50	-	1	1	8	17	16	5	2	-	-
PERCENT	100.0	-	2.0	2 0	16.0	34.0	32.0	10.0	4 0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	1	1	1	1	-	-	-	-	-
PERCENT	100 0	-	25.0	25 0	25.0	25 0	-	-	-	-	-
TOOLE											
LIVE BIRTHS											
NUMBER	45	-	-	3	14	16	8	2	1	1	-
PERCENT	100 0	-	-	6.7	31.1	35 6	17 8	4.4	2 2	2 2	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	-	-	4	-	-	1	-	-	-
PERCENT	100.0	-	-	-	80.0	-	-	20.0	-	-	-
TREASURE											
LIVE BIRTHS											
NUMBER	6	-	-	-	4	1	1	-	-	-	-
PERCENT	100 0	-	-	-	66.7	16.7	16.7	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	2	-	-	-	1	-	-
PERCENT	100 0	-	-	-	66.7	-	-	-	33 3	-	-
VALLEY											
LIVE BIRTHS											
NUMBER	71	-	2	7	22	13	19	6	2	-	-
PERCENT	100.0	-	2.8	9 9	31 0	18.3	26.8	8.5	2.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	7	-	-	-	4	2	1	-	-	-	-
PERCENT	100.0	-	-	-	57 1	28 6	14.3	-	-	-	-
WHEATLAND											
LIVE BIRTHS											
NUMBER	16	-	1	3	3	5	4	-	-	-	-
PERCENT	100.0	-	6.3	18 8	18.8	31.3	25.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	-	1	1	1	-	-	-
PERCENT	100.0	-	-	-	-	33.3	33.3	33.3	-	-	-
WIBAUX											
LIVE BIRTHS											
NUMBER	8	-	-	2	2	1	2	1	-	-	-
PERCENT	100.0	-	-	25 0	25 0	12 5	25.0	12 5	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONCLUDED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
YELLOWSTONE											
LIVE BIRTHS											
NUMBER	1,868	-	35	151	550	532	387	173	34	6	-
PERCENT	100 0	-	1.9	8.1	29 4	28.5	20.7	9.3	1 8	0 3	-
FETAL DEATHS											
NUMBER	4	-	-	2	-	1	-	-	1	-	-
PERCENT	100 0	-	-	50 0	-	25 0	-	-	25 0	-	-
INDUCED ABORTIONS											
NUMBER	352	1	18	30	121	85	47	35	14	1	-
PERCENT	100 0	0 3	5.1	8 5	34.4	24 1	13.4	9.9	4.0	0 3	-
YELLOWSTONE PARK											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
COUNTY NOT STATED											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	1	3	4	-	-	1	-	-	-
PERCENT	100 0	-	11 1	33 3	44 4	-	-	11 1	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE P-1

STATE POPULATION BY COUNTY
MONTANA, 2000 - 2004

COUNTY	2004 U.S. CENSUS EST. POPULATION	2003 U.S. CENSUS EST. POPULATION	2002 U.S. CENSUS EST. POPULATION	2001 U.S. CENSUS EST. POPULATION	2000 U.S CENSUS EST. POPULATION
MONTANA, TOTAL	926,865	918,157	910,670	906,241	903,500
BEAVERHEAD	8,845	8,946	9,003	9,077	9,198
BIG HORN	13,005	12,889	12,832	12,819	12,675
BLAINE	6,668	6,754	6,820	6,826	6,987
BROADWATER	4,530	4,431	4,411	4,402	4,372
CARBON	9,755	9,775	9,730	9,664	9,556
CARTER	1,324	1,331	1,359	1,362	1,349
CASCADE	79,849	79,779	79,766	79,866	80,239
CHOUTEAU	5,575	5,594	5,646	5,773	5,982
CUSTER	11,454	11,362	11,439	11,473	11,665
DANIELS	1,844	1,917	1,936	2,014	2,012
DAWSON	8,635	8,745	8,738	8,919	9,044
DEER LODGE	9,088	9,004	9,076	9,207	9,389
FALLON	2,774	2,768	2,728	2,756	2,812
FERGUS	11,539	11,645	11,683	11,764	11,897
FLATHEAD	81,217	79,476	77,475	76,113	74,742
GALLATIN	75,637	73,328	71,106	69,812	68,278
GARFIELD	1,218	1,241	1,245	1,263	1,268
GLACIER	13,508	13,278	13,209	13,134	13,209
GOLDEN VALLEY	1,117	1,057	1,066	1,015	1,023
GRANITE	2,853	2,881	2,869	2,879	2,843
HILL	16,376	16,325	16,368	16,535	16,636
JEFFERSON	10,857	10,560	10,419	10,223	10,085
JUDITH BASIN	2,191	2,199	2,257	2,259	2,336
LAKE	27,919	27,374	27,006	26,953	26,633
LEWIS & CLARK	57,972	57,191	56,474	56,257	55,881
LIBERTY	2,020	2,035	2,020	2,103	2,150
LINCOLN	19,101	18,892	18,746	18,732	18,842
MCCONE	1,775	1,814	1,842	1,901	1,966
MADISON	7,079	6,938	6,969	6,899	6,872
MEAGHER	1,977	1,970	1,937	1,953	1,932
MINERAL	3,879	3,875	3,816	3,849	3,883
MISSOULA	99,018	98,516	97,826	96,700	96,081
MUSSELSHELL	4,515	4,485	4,462	4,446	4,500
PARK	15,791	15,788	15,839	15,729	15,726
PETROLEUM	492	489	487	478	492
PHILLIPS	4,201	4,259	4,356	4,449	4,557
PONDERA	6,148	6,195	6,260	6,359	6,375
POWDER RIVER	1,785	1,832	1,828	1,815	1,858
POWELL	6,873	6,941	7,042	7,060	7,183
PRAIRIE	1,147	1,166	1,187	1,214	1,188
RAVALLI	39,376	38,743	37,753	36,914	36,341
RICHLAND	9,112	9,177	9,276	9,445	9,627
ROOSEVELT	10,660	10,448	10,436	10,576	10,627
ROSEBUD	9,270	9,309	9,277	9,273	9,385
SANDERS	10,945	10,520	10,436	10,457	10,251
SHERIDAN	3,620	3,656	3,807	3,948	4,082
SILVER BOW	33,093	33,232	33,451	33,774	34,525
STILLWATER	8,391	8,441	8,458	8,378	8,224
SWEET GRASS	3,699	3,616	3,623	3,606	3,635
TETON	6,283	6,385	6,321	6,413	6,438
TOOLE	5,094	5,142	5,258	5,268	5,260
TREASURE	745	746	777	820	855
VALLEY	7,270	7,293	7,399	7,535	7,639
WHEATLAND	2,068	2,102	2,169	2,162	2,252
WIBAUX	971	986	1,000	1,018	1,073
YELLOWSTONE	134,717	133,316	131,951	130,602	129,570
YELLOWSTONE PARK *	-	-	-	-	-

SOURCE: POPULATION ESTIMATES AND ENUMERATIONS WERE MADE BY THE U.S. CENSUS BUREAU AND PROVIDED BY THE MONTANA CENSUS AND ECONOMIC INFORMATION CENTER. POPULATION ESTIMATES FOR PREVIOUS YEARS MAY BE REVISED ANNUALLY BY THE U.S.CENSUS BUREAU.

* THE CENSUS BUREAU NO LONGER PROVIDES AN ESTIMATE OF THE POPULATION OF YELLOWSTONE NATIONAL PARK. THOSE LIVING WITHIN THE BOUNDARIES OF THE PARK ARE NOW REPORTED AS RESIDENTS OF EITHER GALLATIN OR PARK COUNTY, EFFECTIVE AS OF 1997.

TABLE B-1

FREQUENCY AND PERCENT* DISTRIBUTION OF LIVE BIRTHS BY INFANT'S SEX,
LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS, 2000 - 2004

ITEM	2004		2003		2002		2001		2000	
	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*
MONTANA TOTAL	11,514	100.0	11,384	100.0	11,045	100.0	10,947	100.0	10,946	100.0
SEX										
MALE	5,880	51.1	5,797	50.9	5,616	50.8	5,575	50.9	5,576	50.9
FEMALE	5,633	48.9	5,587	49.1	5,429	49.2	5,371	49.1	5,370	49.1
UNKNOWN	1	0.0	-	-	-	-	1	0.0	-	-
LEGITIMACY										
IN WEDLOCK	7,561	65.7	7,717	67.8	7,415	67.1	7,509	68.6	7,563	69.1
OUT OF WEDLOCK	3,938	34.2	3,656	32.1	3,624	32.8	3,429	31.3	3,374	30.8
NOT STATED	15	0.1	11	0.1	6	0.1	9	0.1	9	0.1
PLURALITY										
SINGLE	11,135	96.7	11,072	97.3	10,718	97.0	10,616	97.0	10,639	97.2
TWINS	359	3.1	305	2.7	317	2.9	299	2.7	294	2.7
TRIPLETS OR MORE	19	0.2	7	0.1	9	0.1	30	0.3	13	0.1
NOT STATED	1	0.0	-	-	1	0.0	2	0.0	-	-
PARITY										
FIRST BIRTH	4,446	38.6	4,329	38.0	4,313	39.0	4,162	38.0	4,262	38.9
SECOND BIRTH	3,615	31.4	3,620	31.8	3,556	32.2	3,470	31.7	3,515	32.1
THIRD BIRTH	2,023	17.6	2,013	17.7	1,878	17.0	1,908	17.4	1,875	17.1
FOURTH BIRTH	868	7.5	814	7.2	763	6.9	792	7.2	766	7.0
FIFTH BIRTH	293	2.5	324	2.8	296	2.7	331	3.0	296	2.7
SIXTH BIRTH	125	1.1	139	1.2	120	1.1	128	1.2	133	1.2
SEVENTH BIRTH	63	0.5	67	0.6	55	0.5	65	0.6	45	0.4
EIGHTH BIRTH	29	0.3	29	0.3	32	0.3	43	0.4	20	0.2
NINTH OR MORE	42	0.4	42	0.4	29	0.3	44	0.4	29	0.3
NOT STATED	10	0.1	7	0.1	3	0.0	4	0.0	5	0.0

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE B-2

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT AND BY COUNTY OF OCCURRENCE
MONTANA, 2004

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,526	11,262	97.7%	2	0.0%	262	2.3%
BEAVERHEAD	75	71	94.7%	-	-	4	5.3%
BIG HORN	243	242	99.6%	1	0.4%	-	-
BLAINE	2	2	100.0%	-	-	-	-
BROADWATER	1	-	-	-	-	1	100.0%
CARBON	39	38	97.4%	-	-	1	2.6%
CARTER	1	-	-	1	100.0%	-	-
CASCADE	1,409	1,401	99.4%	-	-	8	0.6%
CHOUTEAU	1	-	-	-	-	1	100.0%
CUSTER	244	244	100.0%	-	-	-	-
DANIELS	-	-	-	-	-	-	-
DAWSON	66	66	100.0%	-	-	-	-
DEER LODGE	47	47	100.0%	-	-	-	-
FALLON	-	-	-	-	-	-	-
FERGUS	100	99	99.0%	-	-	1	1.0%
FLATHEAD	1,086	1,045	96.2%	-	-	41	3.8%
GALLATIN	1,015	964	95.0%	-	-	51	-
GARFIELD	-	-	-	-	-	-	-
GLACIER	237	237	100.0%	-	-	-	-
GOLDEN VALLEY	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-
HILL	386	385	99.7%	-	-	1	0.3%
JEFFERSON	3	1	33.3%	-	-	2	66.7%
JUDITH BASIN	-	-	-	-	-	-	-
LAKE	284	269	94.7%	-	-	15	5.3%
LEWIS & CLARK	754	748	99.2%	-	-	6	0.8%
LIBERTY	12	12	100.0%	-	-	-	-
LINCOLN	96	92	95.8%	-	-	4	4.2%
MCCONE	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-
MEAGHER	-	-	-	-	-	-	-
MINERAL	1	-	-	-	-	1	100.0%
MISSOULA	1,631	1,591	97.5%	-	-	40	2.5%
MUSSELSHELL	-	-	-	-	-	-	-
PARK	138	109	79.0%	-	-	29	21.0%
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	2	2	100.0%	-	-	-	-
PONDERA	39	39	100.0%	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	11	11	100.0%	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	218	177	81.2%	-	-	41	18.8%
RICHLAND	114	114	100.0%	-	-	-	-
ROOSEVELT	109	109	100.0%	-	-	-	-
ROSEBUD	1	1	100.0%	-	-	-	-
SANDERS	44	40	90.9%	-	-	4	9.1%
SHERIDAN	19	19	100.0%	-	-	-	-
SILVER BOW	451	450	99.8%	-	-	1	0.2%
STILLWATER	2	-	-	-	-	2	100.0%
SWEET GRASS	-	-	-	-	-	-	-
TETON	4	-	-	-	-	4	100.0%
TOOLE	38	38	100.0%	-	-	-	-
TREASURE	-	-	-	-	-	-	-
VALLEY	154	154	100.0%	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,449	2,445	99.8%	-	-	4	0.2%
YELLOWSTONE PARK	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-

* BORN ON ARRIVAL

TABLE B-3

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY	TOTAL	LESS THAN 1,000 GRAMS		1,000 - 1,499 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,514	61	0 5	66	0 6	754	6.5	9,660	83 9	966	8 4	7	0 1
BEAVERHEAD	82	-	-	-	-	11	13 4	65	79 3	6	7 3	-	-
BIG HORN	266	2	0 8	3	1 1	12	4 5	209	78 6	40	15 0	-	-
BLAINE	123	1	0 8	2	1 6	4	3 3	107	87 0	9	7 3	-	-
BROADWATER	32	-	-	-	-	3	9 4	24	75 0	5	15 6	-	-
CARBON	110	-	-	-	-	5	4 5	94	85 5	11	10 0	-	-
CARTER	7	-	-	1	14 3	-	-	5	71 4	1	14 3	-	-
CASCADE	1,156	5	0 4	10	0 9	94	8 1	951	82 3	96	8 3	-	-
CHOUTEAU	43	1	2 3	-	-	6	14 0	30	69 8	6	14 0	-	-
CUSTER	125	-	-	2	1 6	8	6 4	110	88 0	5	4 0	-	-
DANIELS	14	-	-	-	-	1	7 1	8	57 1	5	35 7	-	-
DAWSON	89	-	-	-	-	2	2 2	80	89 9	7	7 9	-	-
DEER LODGE	94	1	1 1	1	1.1	6	6 4	78	83 0	8	8 5	-	-
FALLON	31	-	-	-	-	-	-	31	100 0	-	-	-	-
FERGUS	88	-	-	1	1 1	8	9 1	75	85 2	4	4 5	-	-
FLATHEAD	1,045	9	0 9	8	0 8	63	6 0	853	81 6	110	10 5	2	0 2
GALLATIN	985	3	0 3	5	0 5	51	5 2	867	88 0	59	6 0	-	-
GARFIELD	20	-	-	-	-	-	-	19	95 0	1	5 0	-	-
GLACIER	268	2	0 7	2	0 7	19	7 1	220	82 1	24	9 0	1	0 4
GOLDEN VALLEY	11	-	-	-	-	-	-	11	100 0	-	-	-	-
GRANITE	20	-	-	-	-	2	10 0	14	70 0	4	20 0	-	-
HILL	271	3	1 1	-	-	8	3 0	236	87 1	24	8 9	-	-
JEFFERSON	104	1	1 0	-	-	7	6.7	89	85 6	7	6 7	-	-
JUDITH BASIN	13	-	-	-	-	-	-	12	92 3	1	7.7	-	-
LAKE	349	-	-	1	0 3	31	8 9	298	85 4	19	5 4	-	-
LEWIS & CLARK	694	6	0 9	3	0 4	60	8 6	580	83 6	45	6 5	-	-
LIBERTY	11	-	-	-	-	-	-	11	100 0	-	-	-	-
LINCOLN	157	-	-	-	-	14	8 9	122	77 7	21	13 4	-	-
MCCONE	11	-	-	-	-	-	-	9	81 8	2	18 2	-	-
MADISON	40	-	-	-	-	2	5 0	32	80 0	6	15 0	-	-
MEAGHER	19	-	-	-	-	3	15 8	15	78 9	1	5 3	-	-
MINERAL	48	1	2 1	1	2 1	5	10 4	38	79 2	3	6 3	-	-
MISSOULA	1 205	8	0 7	7	0.6	81	6 7	1,008	83 7	101	8 4	-	-
MUSSELSHELL	42	1	2 4	-	-	3	7.1	32	76 2	6	14 3	-	-
PARK	146	-	-	-	-	7	4 8	133	91 1	5	3 4	1	0 7
PETROLEUM	3	-	-	-	-	-	-	3	100 0	-	-	-	-
PHILLIPS	36	-	-	-	-	1	2 8	27	75 0	8	22 2	-	-
PONDERA	70	-	-	-	-	-	-	63	90 0	6	8 6	1	1 4
POWDER RIVER	11	-	-	-	-	1	9 1	9	81 8	1	9 1	-	-
POWELL	49	-	-	-	-	8	16 3	38	77 6	3	6 1	-	-
PRAIRIE	7	-	-	-	-	-	-	5	71 4	2	28 6	-	-
RAVALLI	397	1	0 3	3	0 8	31	7 8	329	82 9	33	8 3	-	-
RICHLAND	109	-	-	1	0 9	7	6 4	96	88 1	5	4 6	-	-
ROOSEVELT	239	4	1 7	1	0 4	12	5 0	189	79 1	32	13 4	1	0 4
ROSEBUD	180	2	1 1	-	-	11	6 1	148	82 2	19	10 6	-	-
SANDERS	92	-	-	-	-	4	4 3	81	88 0	7	7 6	-	-
SHERIDAN	28	-	-	-	-	2	7 1	22	78 6	4	14 3	-	-
SILVER BOW	375	-	-	2	0 5	18	4 8	324	86 4	31	8 3	-	-
STILLWATER	101	-	-	-	-	9	8 9	85	84 2	7	6 9	-	-
SWEET GRASS	34	-	-	-	-	3	8 8	26	76 5	5	14 7	-	-
TETON	50	-	-	-	-	2	4 0	44	88 0	4	8 0	-	-
TOOLE	45	-	-	-	-	-	-	40	88 9	5	11 1	-	-
TREASURE	6	-	-	-	-	1	16 7	5	83 3	-	-	-	-
VALLEY	71	-	-	1	1 4	3	4 2	59	83 1	8	11 3	-	-
WHEATLAND	16	-	-	-	-	-	-	16	100 0	-	-	-	-
WIBAUX	8	-	-	-	-	1	12 5	6	75 0	1	12 5	-	-
YELLOWSTONE	1,868	10	0 5	11	0 6	124	6 6	1,579	84 5	143	7 7	1	0 1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT HENCE, THE SUMS OF THE PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS

TABLE B-4

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
BY COMPLETED WEEKS OF GESTATION* AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY OF RESIDENCE	TOTAL NUMBER	PRE-TERM						TERM				POST-TERM		NOT STATED	
		28 OR FEWER WEEKS		28-31 WEEKS		32-36 WEEKS		37-39 WEEKS		40-41 WEEKS		42 OR MORE WEEKS			
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,514	59	0 5	90	0 8	1,004	8 7	6,296	54 7	3,979	34 6	63	0 5	23	0 2
BEAVERHEAD	82	1	1 2	2	2 4	8	9 8	48	58 5	20	24 4	2	2 4	1	1 2
BIG HORN	266	2	0 8	5	1 9	22	8 3	103	38 7	133	50 0	1	0 4	-	-
BLAINE	123	1	0 8	1	0 8	11	8 9	76	61 8	33	28 8	1	0 8	-	-
BROADWATER	32	-	-	-	-	4	12 5	17	53,1	11	34 4	-	-	-	-
CARBON	110	-	-	-	-	9	8 2	61	55 5	38	34 5	2	1 8	-	-
CARTER	7	-	-	1	14 3	-	-	6	85 7	-	-	-	-	-	-
CASCADE	1,156	6	0 5	9	0 8	118	10 2	664	57 4	358	31 0	1	0 1	-	-
CHOUTEAU	43	1	2 3	1	2 3	6	14 0	19	44 2	16	37 2	-	-	-	-
CUSTER	125	-	-	2	1 6	11	8 8	83	66 4	28	22 4	1	0 8	-	-
DANIELS	14	-	-	-	-	1	7 1	4	28 6	9	64 3	-	-	-	-
DAWSON	89	-	-	-	-	5	5 6	48	53 9	35	39 3	1	1 1	-	-
DEER LODGE	94	1	1 1	-	-	6	6 4	51	54 3	34	36 2	1	1 1	1	1 1
FALLON	31	-	-	-	-	1	3 2	22	71 0	8	25 8	-	-	-	-
FERGUS	86	-	-	1	1 1	10	11 4	39	44 3	36	43 2	-	-	-	-
FLATHEAD	1,045	8	0 8	13	1 2	67	6 4	475	45 5	476	45 6	5	0 5	1	0 1
GALLATIN	985	4	0 4	5	0 5	80	8 1	572	58 1	316	32 1	7	0 7	1	0 1
GARFIELD	20	-	-	-	-	-	-	16	80 0	4	20 0	-	-	-	-
GLACIER	268	1	0 4	4	1 5	28	10 4	84	31 3	141	52.6	3	1 1	7	2 6
GOLDEN VALLEY	11	-	-	-	-	-	-	6	54 5	5	45 5	-	-	-	-
GRANITE	20	-	-	-	-	1	5 0	14	70 0	5	25 0	-	-	-	-
HILL	271	3	1 1	1	0 4	21	7 7	162	59 8	84	31 0	-	-	-	-
JEFFERSON	104	1	1 0	-	-	7	6 7	51	49 0	45	43 3	-	-	-	-
JUDITH BASIN	13	-	-	-	-	1	7 7	6	46 2	6	46 2	-	-	-	-
LAKE	349	-	-	5	1 4	42	12 0	213	61 0	87	24 9	2	0 6	-	-
LEWIS & CLARK	694	6	0 9	4	0 6	77	11 1	348	50 1	255	36 7	4	0 6	-	-
LIBERTY	11	-	-	-	-	1	9 1	6	54 5	4	36 4	-	-	-	-
LINCOLN	157	-	-	-	-	9	5 7	76	48 4	68	43 3	1	0 6	3	1 9
MCCONE	11	-	-	-	-	-	-	5	45 5	6	54 5	-	-	-	-
MADISON	40	-	-	-	-	3	7 5	23	57 5	13	32 5	1	2 5	-	-
MEAGHER	19	-	-	-	-	1	5 3	9	47 4	9	47 4	-	-	-	-
MINERAL	48	-	-	-	-	6	12 5	26	54 2	16	33 3	-	-	-	-
MISSOULA	1,205	7	0 6	8	0 7	107	8 9	689	57 2	390	32 4	3	0 2	1	0 1
MUSSELSHELL	42	1	2 4	-	-	3	7 1	25	59 5	13	31 0	-	-	-	-
PARK	146	-	-	-	-	9	6 2	78	53 4	57	39 0	1	0 7	1	0 7
PETROLEUM	3	-	-	-	-	1	33 3	1	33 3	1	33 3	-	-	-	-
PHILLIPS	36	-	-	-	-	2	5 6	23	63 9	10	27 8	1	2 8	-	-
PONDERA	70	-	-	-	-	7	10.0	37	52 9	24	34 3	1	1 4	1	1 4
POWDER RIVER	11	-	-	-	-	1	9 1	6	72 7	1	9 1	-	-	1	9 1
POWELL	49	-	-	-	-	8	16 3	31	63 3	10	20 4	-	-	-	-
PRAIRIE	7	-	-	-	-	-	-	4	57.1	3	42 9	-	-	-	-
RAVALLI	397	2	0 5	2	0 5	39	9 8	214	53 9	138	34 8	1	0 3	1	0 3
RICHLAND	109	-	-	1	0 9	12	11.0	67	61 5	28	25 7	-	-	1	0 9
ROOSEVELT	239	4	1 7	2	0 8	26	10 9	123	51 5	79	33 1	4	1 7	1	0 4
ROSEBUD	180	1	0 6	1	0 6	23	12 8	86	47 8	67	37 2	1	0 6	1	0 6
SANDERS	92	-	-	1	1 1	6	6 5	50	54 3	34	37 0	1	1 1	-	-
SHERIDAN	28	-	-	-	-	-	-	10	35 7	18	64 3	-	-	-	-
SILVER BOW	375	-	-	2	0 5	18	4 8	195	52 0	154	41 1	6	1 6	-	-
STILLWATER	101	-	-	1	1 0	11	10 9	63	62 4	26	25 7	-	-	-	-
SWEET GRASS	34	-	-	-	-	4	11 8	24	70 6	5	14 7	1	2 9	-	-
TETON	50	-	-	-	-	3	6.0	30	60 0	17	34 0	-	-	-	-
TOOLE	45	-	-	-	-	-	-	27	60 0	18	40 0	-	-	-	-
TREASURE	6	-	-	-	-	1	16.7	5	83 3	-	-	-	-	-	-
VALLEY	71	-	-	1	1 4	6	8 5	34	47.9	29	40.8	1	1 4	-	-
WHEATLAND	16	-	-	-	-	1	6 3	11	68 8	4	25 0	-	-	-	-
WIBAUX	6	-	-	-	-	1	12 5	4	50 0	3	37 5	-	-	-	-
YELLOWSTONE	1,868	9	0 5	17	0 9	159	8 5	1,124	60 2	549	29 4	9	0 5	1	0 1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* CLINICAL ESTIMATE OF COMPLETED WEEKS OF GESTATIONAL AGE

TABLE B-5

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERING IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE
AND YEARS OF EDUCATION OF MOTHER
MONTANA, 2004

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE-BORN CHILDREN											
	TOTAL	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL												
NUMBER	11,378	4,392	3,576	1,994	864	291	124	60	28	16	26	7
PERCENT	100.0	38 6	31.4	17.5	7 6	2.6	1 1	0 5	0 2	0.1	0 2	0 1
NONE												
NUMBER	4	3	-	1	-	-	-	-	-	-	-	-
PERCENT	100 0	75 0	-	25.0	-	-	-	-	-	-	-	-
LESS THAN 8 YEARS												
NUMBER	39	13	10	6	4	3	2	1	-	-	-	-
PERCENT	100.0	33 3	25 6	15 4	10.3	7 7	5.1	2.6	-	-	-	-
8 YEARS												
NUMBER	177	47	43	29	23	18	11	1	3	2	-	-
PERCENT	100.0	26.6	24.3	16.4	13.0	10.2	6.2	0.6	1.7	1.1	-	-
9 YEARS												
NUMBER	345	162	83	47	25	11	5	4	1	2	4	1
PERCENT	100.0	47.0	24 1	13.6	7 2	3 2	1 4	1 2	0.3	0 6	1 2	0 3
10 YEARS												
NUMBER	536	226	138	86	56	18	6	3	1	-	2	-
PERCENT	100.0	42 2	25 7	16.0	10.4	3.4	1 1	0.6	0.2	-	0 4	-
11 YEARS												
NUMBER	654	299	163	112	48	16	8	4	2	-	2	-
PERCENT	100.0	45.7	24 9	17 1	7 3	2 4	1 2	0 6	0 3	-	0 3	-
12 YEARS												
NUMBER	3,767	1,439	1,156	669	305	98	42	23	8	9	13	5
PERCENT	100.0	38 2	30.7	17.8	8.1	2 6	1.1	0 6	0.2	0 2	0 3	0 1
1 YR COLLEGE												
NUMBER	1,019	372	330	164	103	34	8	5	3	-	-	-
PERCENT	100.0	36.5	32.4	16.1	10.1	3.3	0.8	0 5	0.3	-	-	-
2 YRS COLLEGE												
NUMBER	1,295	446	423	254	106	37	16	6	5	1	1	-
PERCENT	100 0	34 4	32.7	19 6	8 2	2.9	1.2	0 5	0.4	0 1	0.1	-
3 YRS COLLEGE												
NUMBER	528	176	199	98	30	8	10	4	1	-	2	-
PERCENT	100.0	33.3	37.7	18.6	5.7	1.5	1 9	0 8	0 2	-	0 4	-
4 YRS COLLEGE												
NUMBER	1,785	679	624	332	98	31	12	5	3	-	1	-
PERCENT	100.0	38.0	35.0	18 6	5 5	1 7	0.7	0 3	0.2	-	0 1	-
POST GRADUATE												
NUMBER	1,199	517	400	194	64	17	4	2	-	1	-	-
PERCENT	100 0	43.1	33.4	16 2	5 3	1 4	0.3	0.2	-	0.1	-	-
NOT STATED												
NUMBER	30	13	7	2	2	-	-	2	1	1	1	1
PERCENT	100 0	43 3	23.3	6.7	6 7	-	-	6 7	3 3	3 3	3 3	3 3

TABLE B-6

FREQUENCY OF LIVE BIRTHS BY MONTH PRE-NATAL HEALTH CARE BEGAN AND BY COUNTY OF RESIDENCE MONTANA, 2004

COUNTY	TOTAL	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	No Care	Not Stated
MONTANA, TOTAL	11,514	1,462	5,178	2,873	854	463	268	138	97	25	69	87
BEAVERHEAD	82	5	31	26	11	2	1	1	-	-	1	4
BIG HORN	266	40	79	54	33	25	18	7	4	1	4	1
BLAINE	123	7	33	41	20	9	6	3	3	1	-	-
BROADWATER	32	2	21	2	4	3	-	-	-	-	-	-
CARBON	110	22	49	30	5	2	1	1	-	-	-	-
CARTER	7	-	2	2	1	2	-	-	-	-	-	-
CASCADE	1,156	356	465	218	39	38	11	4	2	1	7	15
CHOUTEAU	43	8	14	10	4	4	2	-	1	-	-	-
CUSTER	125	1	30	64	16	8	1	3	1	-	-	1
DANIELS	14	3	6	4	-	1	-	-	-	-	-	-
DAWSON	89	15	36	18	11	3	2	1	1	-	-	2
DEER LODGE	94	1	64	11	10	2	1	-	-	-	2	3
FALLON	31	2	7	13	3	2	2	1	-	1	-	-
FERGUS	88	3	29	41	10	1	3	1	-	-	-	-
FLATHEAD	1,045	71	448	329	100	45	30	5	6	1	3	7
GALLATIN	985	98	429	347	62	24	9	7	2	1	2	4
GARFIELD	20	2	6	7	3	2	-	-	-	-	-	-
GLACIER	268	42	96	56	18	17	14	5	3	5	5	7
GOLDEN VALLEY	11	1	4	3	-	2	-	1	-	-	-	-
GRANITE	20	1	7	10	2	-	-	-	-	-	-	-
HILL	271	27	89	78	25	23	17	4	7	-	1	-
JEFFERSON	104	17	51	13	7	8	2	2	1	-	2	1
JUDITH BASIN	13	-	4	6	3	-	-	-	-	-	-	-
LAKE	349	22	145	96	32	11	17	10	6	2	6	2
LEWIS & CLARK	694	106	404	106	33	18	16	2	4	-	2	3
LIBERTY	11	3	4	2	1	1	-	-	-	-	-	-
LINCOLN	157	31	56	43	10	9	2	-	2	-	-	4
MCCONE	11	2	2	4	1	-	1	-	1	-	-	-
MADISON	40	5	14	14	4	1	1	-	-	-	1	-
MEAGHER	19	1	7	3	-	5	2	1	-	-	-	-
MINERAL	48	1	26	8	5	3	3	-	-	-	1	1
MISSOULA	1,205	45	666	348	77	31	15	5	4	2	1	11
MUSSELSHELL	42	3	16	13	6	2	1	-	-	-	1	-
PARK	146	15	75	39	12	2	-	1	1	-	-	1
PETROLEUM	3	-	-	1	-	1	1	-	-	-	-	-
PHILLIPS	36	2	16	10	4	-	2	-	1	-	1	-
PONDERA	70	12	27	14	6	4	2	1	1	-	2	1
POWDER RIVER	11	-	3	6	-	2	-	-	-	-	-	-
POWELL	49	6	24	9	5	3	-	1	-	-	1	-
PRAIRIE	7	-	2	5	-	-	-	-	-	-	-	-
RAVALLI	397	62	180	97	29	10	7	5	3	-	-	4
RICHLAND	109	14	56	18	12	6	1	1	1	-	-	-
ROOSEVELT	239	21	74	55	28	23	11	8	10	2	4	3
ROSEBUD	180	15	64	36	18	12	12	10	7	1	5	-
SANDERS	92	10	37	18	7	5	4	2	-	-	1	8
SHERIDAN	28	8	12	4	1	2	-	-	-	-	-	1
SILVER BOW	375	5	224	69	29	13	5	12	11	2	4	1
STILLWATER	101	20	54	20	3	-	-	1	-	-	3	-
SWEET GRASS	34	3	17	10	2	1	1	-	-	-	-	-
TETON	50	7	13	13	7	6	-	2	-	-	2	-
TOOLE	45	13	15	7	5	3	-	-	1	-	1	-
TREASURE	6	-	1	4	-	-	1	-	-	-	-	-
VALLEY	71	5	26	23	8	5	1	2	1	-	-	-
WHEATLAND	16	-	5	5	3	2	1	-	-	-	-	-
WIBAUX	8	1	3	2	-	-	-	2	-	-	-	-
YELLOWSTONE	1,868	300	910	388	119	59	41	26	12	5	6	2
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	8,083	4,064	4,019	29	24	3	2	4	7	9	5	10	5
CERTAIN INFECTIOUS AND PARASITIC DISEASES	123	58	65	-	-	-	-	-	-	-	-	-	1
__INTESTINAL INFECTIOUS DISEASES	6	3	3	-	-	-	-	-	-	-	-	-	-
___OTHER INTESTINAL INFECTIOUS DISEASES	6	3	3	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	6	3	3	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	73	32	41	-	-	-	-	-	-	-	-	-	1
___(18) SEPTICEMIA	70	31	39	-	-	-	-	-	-	-	-	-	-
___(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	3	1	2	-	-	-	-	-	-	-	-	-	1
__VIRAL DISEASES	29	15	14	-	-	-	-	-	-	-	-	-	-
___(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	3	1	2	-	-	-	-	-	-	-	-	-	-
___(34) ZOSTER (HERPES ZOSTER)	1	-	1	-	-	-	-	-	-	-	-	-	-
___(38) VIRAL HEPATITIS	22	12	10	-	-	-	-	-	-	-	-	-	-
___(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	3	2	1	-	-	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	15	8	7	-	-	-	-	-	-	-	-	-	-
___(48) MYCOSES	2	1	1	-	-	-	-	-	-	-	-	-	-
___(54) SEQUELAE OF POLIOMYELITIS	2	-	2	-	-	-	-	-	-	-	-	-	-
___(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	11	7	4	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	1,917	990	927	-	-	-	-	2	-	1	1	1	-
__MALIGNANT NEOPLASMS	1,858	963	895	-	-	-	-	2	-	1	-	1	-
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	22	17	5	-	-	-	-	-	-	-	-	-	-
_____(56) OF LIP	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	5	3	2	-	-	-	-	-	-	-	-	-	-
_____(58) OF PHARYNX	10	8	2	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	6	5	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	387	214	173	-	-	-	-	-	-	-	-	-	-
_____(60) OF ESOPHAGUS	47	36	11	-	-	-	-	-	-	-	-	-	-
_____(61) OF STOMACH	29	20	9	-	-	-	-	-	-	-	-	-	-
_____(62) OF SMALL INTESTINE	2	-	2	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	149	80	69	-	-	-	-	-	-	-	-	-	-
_____(63) COLON	125	62	63	-	-	-	-	-	-	-	-	-	-
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	22	16	6	-	-	-	-	-	-	-	-	-	-
_____(65) ANUS AND ANAL CANAL	2	2	-	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	33	15	18	-	-	-	-	-	-	-	-	-	-
_____(66) LIVER	21	8	13	-	-	-	-	-	-	-	-	-	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	12	7	5	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	11	4	7	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	113	58	55	-	-	-	-	-	-	-	-	-	-
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	3	1	2	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	518	271	247	-	-	-	-	-	-	-	-	-	-
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	2	-	2	-	-	-	-	-	-	-	-	-	-
_____(72) OF LARYNX	10	6	4	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	502	262	240	-	-	-	-	-	-	-	-	-	-
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	4	3	1	-	-	-	-	-	-	-	-	-	-
___(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	5	2	3	-	-	-	-	-	-	-	-	-	-
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	31	16	15	-	-	-	-	-	-	-	-	-	-
_____(77) MALIGNANT MELANOMA OF SKIN	23	10	13	-	-	-	-	-	-	-	-	-	-
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	8	6	2	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	33	15	18	-	-	-	-	1	-	-	-	1	-
_____(79) MESOTHELIOMA	9	7	2	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	24	8	16	-	-	-	-	1	-	-	-	1	-
___(82) MALIGNANT NEOPLASM OF BREAST	139	1	138	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	95	-	95	-	-	-	-	-	-	-	-	-	-
_____(83) OF VULVA AND VAGINA	3	-	3	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	10	-	10	-	-	-	-	-	-	-	-	-	-
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	29	-	29	-	-	-	-	-	-	-	-	-	-
_____(86) OF OVARY	52	-	52	-	-	-	-	-	-	-	-	-	-
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	131	131	-	-	-	-	-	-	-	-	-	-	-
_____(89) OF PROSTATE	130	130	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF URINARY TRACT	99	67	32	0	0	0	0	0	0	0	0	0	0
_____(92) OF KIDNEY AND RENAL PELVIS	44	28	16	0	0	0	0	0	0	0	0	0	0
_____(93) OF BLADDER	55	39	16	0	0	0	0	0	0	0	0	0	0
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	1	0	1	0	0	0	0	0	0	0	0	0	0
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	46	28	18	0	0	0	0	0	0	1	0	0	0
_____(96) OF BRAIN	46	28	18	0	0	0	0	0	0	1	0	0	0
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	5	1	4	0	0	0	0	0	0	0	0	0	0
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	141	78	63	0	0	0	0	0	0	0	0	0	0
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	205	122	83	0	0	0	0	1	0	0	0	0	0
_____(100) HODGKIN'S DISEASE	4	4	0	0	0	0	0	0	0	0	0	0	0
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	82	45	37	0	0	0	0	1	0	0	0	0	0
_____(101) NON-HODGKIN'S LYMPHOMA	82	45	37	0	0	0	0	1	0	0	0	0	0
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	2	2	0	0	0	0	0	0	0	0	0	0	0
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	48	33	15	0	0	0	0	0	0	0	0	0	0
_____LEUKEMIA	69	38	31	0	0	0	0	0	0	0	0	0	0
_____(105) LYMPHOID LEUKEMIA	22	12	10	0	0	0	0	0	0	0	0	0	0
_____(106) MYELOID LEUKEMIA	37	18	19	0	0	0	0	0	0	0	0	0	0
_____(107) MONOCYTIC LEUKEMIA	2	2	0	0	0	0	0	0	0	0	0	0	0
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	8	6	2	0	0	0	0	0	0	0	0	0	0
__BENIGN NEOPLASMS	5	2	3	0	0	0	0	0	0	0	0	0	0
___(111) OF FEMALE GENITAL ORGANS	1	0	1	0	0	0	0	0	0	0	0	0	0
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	3	1	2	0	0	0	0	0	0	0	0	0	0
___(113) OF OTHER AND UNSPECIFIED SITES	1	1	0	0	0	0	0	0	0	0	0	0	0
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	49	25	24	0	0	0	0	0	0	0	0	0	0
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	5	0	5	0	0	0	0	0	0	0	1	0	0
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	29	15	14	0	0	0	0	0	0	0	0	0	0
__ANEMIAS	15	7	8	0	0	0	0	0	0	0	0	0	0
___(116) NUTRITIONAL ANEMIAS	1	0	1	0	0	0	0	0	0	0	0	0	0
___(117) HEMOLYTIC ANEMIAS	2	1	1	0	0	0	0	0	0	0	0	0	0
___(118) APLASTIC ANEMIAS	6	4	2	0	0	0	0	0	0	0	0	0	0
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	6	2	4	0	0	0	0	0	0	0	0	0	0
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	7	4	3	0	0	0	0	0	0	0	0	0	0
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	3	2	1	0	0	0	0	0	0	0	0	0	0
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	4	2	2	0	0	0	0	0	0	0	0	0	0
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	321	148	173	1	0	0	0	0	0	0	1	0	0
__ENDOCRINE DISEASES	247	119	128	0	0	0	0	0	0	0	0	0	0
___(123) DISORDERS OF THYROID GLAND	6	3	3	0	0	0	0	0	0	0	0	0	0
___(124) DIABETES MELLITUS	236	114	122	0	0	0	0	0	0	0	0	0	0
___(125) DISORDERS OF PITUITARY GLAND	1	1	0	0	0	0	0	0	0	0	0	0	0
___(126) DISORDERS OF ADRENAL GLANDS	1	0	1	0	0	0	0	0	0	0	0	0	0
___(128) OTHER ENDOCRINE DISEASES	3	1	2	0	0	0	0	0	0	0	0	0	0
__NUTRITIONAL DISEASES	26	9	17	0	0	0	0	0	0	0	0	0	0
___MALNUTRITION	12	1	11	0	0	0	0	0	0	0	0	0	0
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	12	1	11	0	0	0	0	0	0	0	0	0	0
___(132) OBESITY AND OTHER HYPERALIMENTATION	14	8	6	0	0	0	0	0	0	0	0	0	0
__METABOLIC DISORDERS	48	20	28	1	0	0	0	0	0	0	1	0	0
___(133) CYSTIC FIBROSIS	2	2	0	0	0	0	0	0	0	0	0	0	0
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	23	7	16	0	0	0	0	0	0	0	0	0	0
___(135) OTHER METABOLIC DISORDERS	23	11	12	1	0	0	0	0	0	0	1	0	0
MENTAL AND BEHAVIORAL DISORDERS	275	102	173	0	0	0	0	0	0	0	0	0	0
__(136) ORGANIC DEMENTIA	199	61	138	0	0	0	0	0	0	0	0	0	0
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	5	2	3	0	0	0	0	0	0	0	0	0	0
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	57	34	23	0	0	0	0	0	0	0	0	0	0
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	32	22	10	0	0	0	0	0	0	0	0	0	0
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	25	12	13	0	0	0	0	0	0	0	0	0	0
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	2	1	1	0	0	0	0	0	0	0	0	0	0
__(141) MOOD (AFFECTIVE) DISORDERS	8	2	6	0	0	0	0	0	0	0	0	0	0
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	1	1	0	0	0	0	0	0	0	0	0	0	0
__(143) MENTAL RETARDATION	2	1	1	0	0	0	0	0	0	0	0	0	0
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	1	0	1	0	0	0	0	0	0	0	0	0	0

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE NERVOUS SYSTEM	409	166	243	1	-	-	-	-	-	3	-	-	-
__(145) MENINGITIS	4	2	2	1	-	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	5	3	2	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	59	34	25	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	228	69	159	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	21	9	12	-	-	-	-	-	-	-	-	-	-
__(150) EPILEPSY	4	4	-	-	-	-	-	-	-	-	-	-	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	1	-	1	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	3	2	1	-	-	-	-	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	84	43	41	-	-	-	-	-	-	3	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	2,514	1,217	1,297	-	2	-	1	-	-	-	-	1	-
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	22	6	16	-	-	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	22	6	16	-	-	-	-	-	-	-	-	-	-
_____(157) RHEUMATIC MITRAL VALVE DISEASE	10	2	8	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	4	3	1	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	8	1	7	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	86	29	57	-	-	-	-	-	-	-	-	-	-
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	35	6	29	-	-	-	-	-	-	-	-	-	-
___(162) HYPERTENSIVE HEART DISEASE	35	16	19	-	-	-	-	-	-	-	-	-	-
___(163) HYPERTENSIVE RENAL DISEASE	11	3	8	-	-	-	-	-	-	-	-	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	5	4	1	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	1,078	625	453	-	1	-	-	-	-	-	-	-	-
___(165) ACUTE MYOCARDIAL INFARCTION	404	222	182	-	1	-	-	-	-	-	-	-	-
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	5	2	3	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	669	401	268	-	-	-	-	-	-	-	-	-	-
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE SO DESCRIBED	132	88	44	-	-	-	-	-	-	-	-	-	-
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	537	313	224	-	-	-	-	-	-	-	-	-	-
__OTHER HEART DISEASES	694	282	412	-	1	-	1	-	-	-	-	1	-
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	51	21	30	-	-	-	-	-	-	-	-	-	-
_____(169) PULMONARY EMBOLISM	28	9	19	-	-	-	-	-	-	-	-	-	-
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	23	12	11	-	-	-	-	-	-	-	-	-	-
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	643	261	382	-	1	-	1	-	-	-	-	1	-
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	4	2	2	-	-	-	-	-	-	-	-	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	5	2	3	-	-	-	-	-	-	-	-	1	-
_____OTHER DISEASES OF ENDOCARDIUM	98	31	67	-	-	-	-	-	-	-	-	-	-
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	15	6	9	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	51	16	35	-	-	-	-	-	-	-	-	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	32	9	23	-	-	-	-	-	-	-	-	-	-
_____(176) CARDIOMYOPATHY	40	22	18	-	1	-	-	-	-	-	-	-	-
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	163	71	92	-	-	-	-	-	-	-	-	-	-
_____HEART FAILURE	292	112	180	-	-	-	-	-	-	-	-	-	-
_____(178) CONGESTIVE HEART FAILURE	276	102	174	-	-	-	-	-	-	-	-	-	-
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	16	10	6	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	41	21	20	-	-	-	1	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	484	205	279	-	-	-	-	-	-	-	-	-	-
___(182) SUBARACHNOID HEMORRHAGE	25	8	17	-	-	-	-	-	-	-	-	-	-
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	76	38	38	-	-	-	-	-	-	-	-	-	-
___(184) CEREBRAL INFARCTION	23	7	16	-	-	-	-	-	-	-	-	-	-
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	236	92	144	-	-	-	-	-	-	-	-	-	-
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	124	60	64	-	-	-	-	-	-	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	133	65	68	-	-	-	-	-	-	-	-	-	-
___(187) ATHEROSCLEROSIS	47	19	28	-	-	-	-	-	-	-	-	-	-
___(168) AORTIC ANEURYSM AND DISSECTION	49	35	14	-	-	-	-	-	-	-	-	-	-
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	37	11	26	-	-	-	-	-	-	-	-	-	-
__OTHER DISORDERS OF CIRCULATORY SYSTEM	17	5	12	-	-	-	-	-	-	-	-	-	-
___(190) PHLEBITIS THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	12	3	9	-	-	-	-	-	-	-	-	-	-
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	5	2	3	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	921	498	423	1	2	-	-	-	1	1	-	-	-
__ACUTE UPPER RESPIRATORY INFECTIONS	2	1	1	-	-	-	-	-	-	-	-	-	-
___(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	2	1	1	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEODRIES AND CODE RANOES SHOWN IN FIOURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	919	497	422	1	2	-	-	-	1	1	-	-	-
____(195) INFLUENZA	4	2	2	-	-	-	-	-	-	-	-	-	-
____PNEUMONIA	161	76	85	-	1	-	-	-	-	-	-	-	-
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(197) BACTERIAL PNEUMONIA	11	6	5	-	1	-	-	-	-	-	-	-	-
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	149	70	79	-	-	-	-	-	-	-	-	-	-
____CHRONIC LOWER RESPIRATORY DISEASE	578	314	264	-	-	-	-	-	1	-	-	-	-
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	577	314	263	-	-	-	-	-	1	-	-	-	-
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	64	38	26	-	-	-	-	-	-	-	-	-	-
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	499	270	229	-	-	-	-	-	1	-	-	-	-
_____(206) ASTHMA	13	5	8	-	-	-	-	-	-	-	-	-	-
_____(207) BRONCHIECTASIS	1	-	1	-	-	-	-	-	-	-	-	-	-
____LUNG DISEASES DUE TO EXTERNAL AGENTS	77	47	30	-	-	-	-	-	-	1	-	-	-
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	10	9	1	-	-	-	-	-	-	-	-	-	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	67	38	29	-	-	-	-	-	-	1	-	-	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	67	38	29	-	-	-	-	-	-	1	-	-	-
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	2	1	1	-	-	-	-	-	-	-	-	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	2	-	2	-	-	-	-	-	-	-	-	-	-
____(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	95	57	38	1	1	-	-	-	-	-	-	-	-
DISEASES OF THE DIGESTIVE SYSTEM	338	160	178	-	-	1	-	-	-	-	-	-	-
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	1	-	1	-	-	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	337	160	177	-	-	1	-	-	-	-	-	-	-
____(216) DISEASES OF ESOPHAGUS	14	4	10	-	-	-	-	-	-	-	-	-	-
____PEPTIC ULCER	25	6	19	-	-	-	-	-	-	-	-	-	-
_____(217) GASTRIC ULCER	5	-	5	-	-	-	-	-	-	-	-	-	-
_____(218) DUODENAL ULCER	10	2	8	-	-	-	-	-	-	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	10	4	6	-	-	-	-	-	-	-	-	-	-
____(221) GASTRITIS AND DUODENITIS	2	1	1	-	-	-	-	-	-	-	-	-	-
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	1	-	1	-	-	-	-	-	-	-	-	-	-
____(224) HENIA	7	2	5	-	-	-	-	-	-	-	-	-	-
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	7	3	4	-	-	-	-	-	-	-	-	-	-
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	41	20	21	-	-	-	-	-	-	-	-	-	-
____(227) DIVERTICULAR DISEASE OF INTESTINE	15	6	9	-	-	-	-	-	-	-	-	-	-
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	20	7	13	-	-	-	-	-	-	-	-	-	-
____(229) DISEASES OF PERITONEUM	3	1	2	-	-	-	-	-	-	-	-	-	-
____DISEASES OF LIVER	130	80	50	-	-	1	-	-	-	-	-	-	-
_____(230) ALCHOLIC LIVER DISEASE	58	35	23	-	-	-	-	-	-	-	-	-	-
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	36	22	14	-	-	-	-	-	-	-	-	-	-
_____(233) OTHER DISEASES OF LIVER	35	23	12	-	-	1	-	-	-	-	-	-	-
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	16	6	10	-	-	-	-	-	-	-	-	-	-
____OISORDERS OF BILIARY TRACT AND PANCREAS	15	5	10	-	-	-	-	-	-	-	-	-	-
_____(235) PANCREATITIS	12	5	7	-	-	-	-	-	-	-	-	-	-
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	3	-	3	-	-	-	-	-	-	-	-	-	-
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	41	19	22	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	4	1	3	-	-	-	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	4	1	3	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	88	24	64	1	-	-	-	-	-	-	-	-	-
__(240) RHEUMATOIO ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	18	2	16	-	-	-	-	-	-	-	-	-	-
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	5	2	3	-	-	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	23	5	18	-	-	-	-	-	-	-	-	-	-
__(243) DORSOPATHIES	5	3	2	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	7	4	3	1	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER OISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	30	8	22	-	-	-	-	-	-	-	-	-	-
____(245) OSTEOPOROSIS	27	8	19	-	-	-	-	-	-	-	-	-	-
OISEASES OF THE GENITOURINARY SYSTEM	166	77	89	-	-	-	-	-	-	-	-	-	-
__OISEASES OF URINARY SYSTEM	159	71	88	-	-	-	-	-	-	-	-	-	-
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	3	1	2	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	3	1	2	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(251) RENAL FAILURE	107	51	56	-	-	-	-	-	-	-	-	-	-
___(252) UROLITHIASIS	3	-	3	-	-	-	-	-	-	-	-	-	-
___(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	40	15	25	-	-	-	-	-	-	-	-	-	-
___(255) OTHER DISEASES OF URINARY TRACT	6	4	2	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	6	6	-	-	-	-	-	-	-	-	-	-	-
___(256) HYPERPLASIA OF PROSTATE	3	3	-	-	-	-	-	-	-	-	-	-	-
___(257) OTHER DISEASES OF MALE GENITAL ORGANS	3	3	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
___(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	1	-	1	-	-	-	-	-	-	-	-	-	-
__OTHER DIRECT OBSTETRIC DEATHS	2	-	2	-	-	-	-	-	-	-	-	-	-
___(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	1	-	1	-	-	-	-	-	-	-	-	-	-
___(270) ALL OTHER DIRECT OBSTETRIC DEATHS	1	-	1	-	-	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	7	-	7	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	22	12	10	12	8	-	-	-	1	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	9	4	5	4	5	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	2	2	-	2	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	3	1	2	1	-	-	-	-	1	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	1	-	1	-	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	2	-	2	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	5	2	3	2	3	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	31	19	12	8	5	-	-	-	3	2	1	-	-
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	2	2	-	2	-	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	5	2	3	1	2	-	-	-	-	1	1	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	10	6	4	2	1	-	-	-	1	1	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	1	-	1	-	-	-	-	-	1	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	1	1	-	1	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	5	4	1	2	1	-	-	-	-	-	-	-	-
__(289) DOWNS SYNDROME	6	4	2	-	-	-	-	-	1	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	1	-	1	-	1	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS NOT ELSEWHERE CLASSIFIED	146	61	85	4	6	-	-	-	-	-	-	-	-
__(291) SENILITY	41	13	28	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	60	26	34	4	6	-	-	-	-	-	-	-	-
___(292) SUDDEN INFANT DEATH SYNDROME	5	2	3	2	3	-	-	-	-	-	-	-	-
___(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	55	24	31	2	3	-	-	-	-	-	-	-	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	45	22	23	-	-	-	-	-	-	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	770	516	254	1	1	2	1	2	2	2	2	8	4
__ACCIDENTS	529	337	192	-	1	1	1	1	2	2	2	8	3
___TRANSPORT ACCIDENTS	271	186	85	-	1	-	-	-	1	1	2	4	3
_____(295) RAILWAY ACCIDENTS	4	4	-	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	237	157	80	-	1	-	-	-	1	1	1	3	3
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	13	8	5	-	-	-	-	-	-	-	-	-	1
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	2	-	2	-	-	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	17	15	2	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	28	21	7	-	-	-	-	-	-	-	-	-	1
_____(302) CAR PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	62	39	23	-	1	-	-	-	-	-	-	-	-
_____(303) HEAVY TRANSPORT VEHICLE OR BUS COLLISION WITH OTHER MOTOR VEHICLE	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	76	48	28	-	-	-	-	-	1	-	-	1	-
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	16	15	1	-	-	-	-	-	-	1	1	2	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	21	9	12	-	-	-	-	-	-	-	-	-	1
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	5	3	2	-	-	-	-	-	-	-	1	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	21	18	3	-	-	-	-	-	-	-	-	1	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	3	3	-	-	-	-	-	-	-	-	-	-	-
___FALLS	100	54	46	-	-	-	1	-	-	-	-	-	-
_____(312) FALL ON SAME LEVEL	48	25	23	-	-	-	-	-	-	-	-	-	-
_____(313) FALL FROM ONE LEVEL TO ANOTHER	17	12	5	-	-	-	1	-	-	-	-	-	-
_____(314) UNSPECIFIED FALL	35	17	18	-	-	-	-	-	-	-	-	-	-
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	7	7	-	-	-	-	-	-	-	-	-	-	-
___(317) ACCIDENTAL DROWNING AND SUBMERSION	12	10	2	-	-	-	-	1	1	1	-	-	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	13	5	8	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	6	4	2	0	0	1	0	0	0	0	0	0	0
(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	1	0	0	0	0	0	0	0	0	0	0	0
(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	11	7	4	0	0	0	0	0	0	0	0	2	0
(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	2	2	0	0	0	0	0	0	0	0	0	0	0
ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	65	38	27	0	0	0	0	0	0	0	0	2	0
(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	53	30	23	0	0	0	0	0	0	0	0	0	0
(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	5	4	1	0	0	0	0	0	0	0	0	2	0
(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	7	4	3	0	0	0	0	0	0	0	0	0	0
(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	41	23	18	0	0	0	0	0	0	0	0	0	0
INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	174	141	33	0	0	0	0	0	0	0	0	0	0
(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	24	13	11	0	0	0	0	0	0	0	0	0	0
(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	2	1	1	0	0	0	0	0	0	0	0	0	0
(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	13	11	2	0	0	0	0	0	0	0	0	0	0
(334) BY HANGING, STRANGULATION AND SUFFOCATION	25	22	3	0	0	0	0	0	0	0	0	0	0
(335) BY DISCHARGE OF FIREARMS	105	90	15	0	0	0	0	0	0	0	0	0	0
(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	5	4	1	0	0	0	0	0	0	0	0	0	0
ASSAULT (HOMICIDE)	25	19	6	0	0	1	0	1	0	0	0	0	0
(340) BY DISCHARGE OF FIREARMS	12	7	5	0	0	0	0	0	0	0	0	0	0
(341) BY SHARP OBJECT	6	5	1	0	0	0	0	0	0	0	0	0	0
(342) BY BLUNT OBJECT	1	1	0	0	0	0	0	0	0	0	0	0	0
(343) BY BODILY FORCE	1	1	0	0	0	0	0	0	0	0	0	0	0
(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	1	1	0	0	0	1	0	0	0	0	0	0	0
(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	4	4	0	0	0	0	0	1	0	0	0	0	0
EVENT OF UNDETERMINED INTENT	33	16	17	1	0	0	0	0	0	0	0	0	1
(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	20	10	10	0	0	0	0	0	0	0	0	0	0
(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	1	1	0	0	0	0	0	0	0	0	0	0	0
(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	12	5	7	1	0	0	0	0	0	0	0	0	1
COMPLICATIONS OF MEDICAL AND SURGICAL CARE	9	3	6	0	0	0	0	0	0	0	0	0	0
(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELA	1	1	0	0	0	0	0	0	0	0	0	0	0
(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	2	1	1	0	0	0	0	0	0	0	0	0	0
(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	6	1	5	0	0	0	0	0	0	0	0	0	0

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	19	10	36	8	57	17	45	17	43	16	53	34
CERTAIN INFECTIOUS AND PARASITIC DISEASES	-	-	-	-	-	1	-	1	-	-	1	-
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	-	-	-	-	1	-	-	-	-	1	-
____(18) SEPTICEMIA	-	-	-	-	-	1	-	-	-	-	1	-
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	-	-	-	-	-	-	-	1	-	-	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	1	-	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
____(35) VIRAL HEPATITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
____(48) MYCOSES	-	-	-	-	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	-	2	-	1	-	-	1	1	1	-	4	5
__MALIGNANT NEOPLASMS	-	2	-	1	-	-	1	1	1	-	3	5
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(56) OF LIP	-	-	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	-	-	-	-	-	-	-	-	-	-	-	-
_____(58) OF PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	1	-
_____(60) OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	1	-
_____(61) OF STOMACH	-	-	-	-	-	-	-	-	-	-	-	-
_____(62) OF SMALL INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	-	-	-	-	-	-	-	-	-	-	-	-
_____(63) COLON	-	-	-	-	-	-	-	-	-	-	-	-
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(65) ANUS AND ANAL CANAL	-	-	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(66) LIVER	-	-	-	-	-	-	-	-	-	-	-	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	-	-	-	-	-	-	-	-	1	-	-	1
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	-	-	-	-	-	-	-
_____(72) OF LARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	-	-	-	-	-	-	-	-	-	-	-	1
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	-	-	1	-	-	-
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	1	-	1	-	-	-	-	-	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	1
_____(77) MALIGNANT MELANOMA OF SKIN	-	-	-	-	-	-	-	-	-	-	-	1
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
_____(79) MESOTHELIOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
____(82) MALIGNANT NEOPLASM OF BREAST	-	-	-	-	-	-	-	-	-	-	-	2
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	-	-	-	-	-	-	-	-	-	-	-	-
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(86) OF OVARY	-	-	-	-	-	-	-	-	-	-	-	-
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
_____(89) OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH - LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
_____(92) OF KIDNEY AND RENAL PELVIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(93) OF BLADDER	-	-	-	-	-	-	-	-	-	-	-	-
____(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	1	1	-	-	-	1
_____(96) OF BRAIN	-	-	-	-	-	-	1	1	-	-	-	1
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	1	-	-	-	-	-	-	-	-	2	-
_____(100) HODGKIN S DISEASE	-	-	-	-	-	-	-	-	-	-	1	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	-	-	-	-	-	-	-	1	-
_____(101) NON-HODGKIN'S LYMPHOMA	-	-	-	-	-	-	-	-	-	-	1	-
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
____LEUKEMIA	-	1	-	-	-	-	-	-	-	-	-	-
_____(105) LYMPHOID LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(106) MYELOID LEUKEMIA	-	1	-	-	-	-	-	-	-	-	-	-
_____(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
__BENIGN NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
____(111) OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
____(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	1	-
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-	-	-	-	-
__ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(117) HEMOLYTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(118) APLASTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
____(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	-	-	-	-	2	3	1	2	2	-	2	1
__ENDOCRINE DISEASES	-	-	-	-	-	3	-	1	1	-	1	1
____(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	-	-	-	-	-
____(124) DIABETES MELLITUS	-	-	-	-	-	3	-	1	1	-	1	1
____(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	-	-	-	-	-	-	-	-
____(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
____(128) OTHER ENDOCRINE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
____(132) OBESITY AND OTHER HYPERALIMENTATION	-	-	-	-	-	-	-	-	-	-	-	-
__METABOLIC DISORDERS	-	-	-	-	2	-	1	1	1	-	1	-
____(133) CYSTIC FIBROSIS	-	-	-	-	2	-	-	-	-	-	-	-
____(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	1	-	1	-	-	-
____(135) OTHER METABOLIC DISORDERS	-	-	-	-	-	-	-	1	-	-	1	-
MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	1	1	1	2	1
__(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	-	-	-	-	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	-	-	-	1	1	1	2	1
____(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	-	-	-	-	-	-	-	1	1	-	-	1
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE NERVOUS SYSTEM	-	-	1	-	1	-	-	-	3	-	1	1
__(145) MENINGITIS	-	-	-	-	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	1	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	1
__(150) EPILEPSY	-	-	-	-	-	-	-	-	1	-	-	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	-	1	-	1	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	-	-	1	-	-	-	-	-	1	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	-	-	-	-	1	1	3	-	-	3	6	6
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	-	-	-	-	-	-	-	-	-
___(162) HYPERTENSIVE HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	-	-	-	-	-	-	1	-	-	1	4	1
___(165) ACUTE MYOCARDIAL INFARCTION	-	-	-	-	-	-	-	-	-	1	2	1
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	-	-	-	-	-	-	1	-	-	-	2	-
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	-	-	-	-	-	-	-	-	-	-	1	-
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	-	-	-	-	-	-	1	-	-	-	1	-
__OTHER HEART DISEASES	-	-	-	-	-	-	2	-	2	1	-	4
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	2	-	-	2
_____(169) PULMONARY EMBOLISM	-	-	-	-	-	-	-	-	1	-	-	2
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	1	-	-	-
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	-	-	-	-	-	-	2	-	-	1	-	2
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(176) CARDIOMYOPATHY	-	-	-	-	-	-	-	-	-	-	-	1
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	-	-	-	-	2	-	-	-	1	1
____HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(178) CONGESTIVE HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	-	-	-	-	1	1	-	-	-	-	-	1
___(182) SUBARACHNOID HEMORRHAGE	-	-	-	-	1	1	-	-	-	-	-	-
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	-	-	-	-	-	-	-	-	-	-	-
___(184) CEREBRAL INFARCTION	-	-	-	-	-	-	-	-	-	-	-	1
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	-	-	-	-	-	-	-	-	-	-
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	1	-
___(187) ATHEROSCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(188) AORTIC ANEURYSM AND DISSECTION	-	-	-	-	-	-	-	-	-	-	1	-
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	2	-
__ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
___(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	2	-
___(195) INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	-
___PNEUMONIA	-	-	-	-	-	-	-	-	-	-	1	-
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(197) BACTERIAL PNEUMONIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	1	-
___CHRONIC LOWER RESPIRATORY DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(206) ASTHMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(207) BRONCHIECTASIS	-	-	-	-	-	-	-	-	-	-	-	-
___LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	-	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-	-	-	-	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	-	-	-	-	-	-	-	-	-	-
___(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
___(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	1	-
DISEASES OF THE DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	2	2	2	3
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	2	2	2	3
___(216) DISEASES OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	-	-
___PEPTIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(218) DUODENAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
___(221) GASTRITIS AND DUODENITIS	-	-	-	-	-	-	-	-	-	-	-	-
___(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	-
___(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
___(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	-	-	-	-	-
___(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	-	-	-	-	-	-	-	-	-	-	-	-
___(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	-	-	-	-	1	-	-	-
___(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
___(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
___DISEASES OF LIVER	-	-	-	-	-	-	-	-	1	2	2	3
_____(230) ALCHOLIC LIVER DISEASE	-	-	-	-	-	-	-	-	-	2	2	3
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	-	-	-	-	-	-	-	-	-	-	-	-
_____(233) OTHER DISEASES OF LIVER	-	-	-	-	-	-	-	-	1	-	-	-
___(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	-	-	-	-	-	-	-	-	-	-
___DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
_____(235) PANCREATITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
___(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM ANO CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
___(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	-	1	-	-	1	-	-	-	-	-	-	-
__DISEASES OF URINARY SYSTEM	-	1	-	-	1	-	-	-	-	-	-	-
___GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYIND CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(251) RENAL FAILURE	-	1	-	-	1	-	-	-	-	-	-	-
___(252) UROLITHIASIS	-	-	-	-	-	-	-	-	-	-	-	-
___(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
___(255) OTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
___(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-	-	-	-	1
___(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	-	-	-	-	-	-	-	-	-	-	-	1
___(270) ALL OTHER DIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	-	-	-	-	-	1	-	1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	1	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	1	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	-	1	-	1	-	1	-	-	-
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	1	-	1	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONOEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	1	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	-	1	-	1	-	-	-	-	1	-	-
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	-	-	1	-	1	-	-	-	-	1	-	-
___(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
___(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	-	-	1	-	1	-	-	-	-	1	-	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	-	-	-	-	-	-	-	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	18	7	34	7	50	11	39	12	34	7	33	15
__ACCIDENTS	13	6	22	6	33	8	24	9	16	5	23	8
____TRANSPORT ACCIDENTS	9	6	16	5	25	7	15	6	14	4	15	6
_____(295) RAILWAY ACCIDENTS	-	-	1	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	9	5	15	5	22	7	14	6	11	3	13	4
_____(296) PEDESTRIAN, COLLISION WITH MOTOR VEHICLE	-	-	1	-	-	-	-	-	-	1	2	-
_____(297) PEDALCYCLIST, COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST, ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	2	-	-	-	2	-	1	-	1	-	1	-
_____(301) MOTOR VEHICLE, COLLISION WITH OTHER (NON MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	0	1	2	-	3	-	2	-	1	1	4	-
_____(302) CAR, PICKUP TRUCK OR VAN, COLLISION WITH OTHER MOTOR VEHICLE	1	-	6	1	4	4	3	3	2	-	2	2
_____(303) HEAVY TRANSPORT VEHICLE OR BUS, COLLISION WITH OTHER MOTOR VEHICLE	-	-	-	-	-	-	1	-	-	-	-	-
_____(304) MOTOR VEHICLE, NONCOLLISION ACCIDENT	4	3	5	3	8	2	5	2	6	1	1	2
_____(305) SPECIAL-USE MOTOR VEHICLE, ANY ACCIDENT	2	-	-	-	2	-	1	-	1	-	1	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	1	1	1	3	1	1	1	-	-	2	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	1	-	-	-	-	-	1	1
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	1	-	-	2	-	1	-	2	1	1	1
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	1	-	-	-
____FALLS	-	-	2	-	2	-	2	-	-	-	-	-
_____(312) FALL ON SAME LEVEL	-	-	-	-	1	-	-	-	-	-	-	-
_____(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	1	-	1	-	2	-	-	-	-	-
_____(314) UNSPECIFIED FALL	-	-	1	-	-	-	-	-	-	-	-	-
____(315) ACCIDENTAL DISCHARGE OF FIREARMS	1	-	-	-	-	-	1	-	-	-	-	-
____(317) ACCIDENTAL DROWNING AND SUBMERSION	1	-	-	-	1	-	-	-	-	-	1	-
____(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	0	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	1	-	-	-	-	-	-	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	1	-	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	1	-	-	1	-	1	-	-	1	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	2	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	1	-	1	1	4	-	3	2	2	1	4	2
___(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	1	1	4	-	3	1	2	1	4	2
___(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	1	-	-	-	-	-	-	1	-	-	-	-
___(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	-	-	-	1	-	1	-	-	-	2	-
_INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	3	1	8	-	13	1	12	1	16	1	7	4
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	1	-	-	1	2	-	1	2
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-	-	1	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	1	-	-	-	2	-	2	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	-	1	-	-	3	-	3	-	5	-	1	2
___(335) BY DISCHARGE OF FIREARMS	3	-	7	-	9	1	6	-	6	-	5	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	1	-	1	-	-	-
_ASSAULT (HOMICIDE)	1	-	3	-	2	2	3	-	1	-	1	1
___(340) BY DISCHARGE OF FIREARMS	-	-	1	-	2	1	2	-	-	-	-	1
___(341) BY SHARP OBJECT	1	-	1	-	-	1	-	-	-	-	1	-
___(342) BY BLUNT OBJECT	-	-	-	-	-	-	1	-	-	-	-	-
___(343) BY BODILY FORCE	-	-	1	-	-	-	-	-	-	-	-	-
___(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	1	-	-	-
_EVENT OF UNDETERMINED INTENT	1	-	1	1	2	-	-	2	1	1	2	1
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	1	-	1	-	-	-	-	1	1	-	1	1
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	1	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	1	1	-	-	1	-	1	1	-
_COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	-	-	-	-	-	-	-	1
___(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELA	-	-	-	-	-	-	-	-	-	-	-	-
___(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 356 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	91	89	139	113	190	96	242	148	258	194	320	245
CERTAIN INFECTIOUS AND PARASITIC DISEASES	2	6	4	2	8	4	6	4	3	7	4	3
__INTESTINAL INFECTIOUS DISEASES	-	-	1	-	-	-	-	-	-	-	-	1
___OTHER INTESTINAL INFECTIOUS DISEASES	-	-	1	-	-	-	-	-	-	-	-	1
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	1	-	-	-	-	-	-	-	-	1
__ZOONOTIC AND OTHER BACTERIAL DISEASES	1	1	1	-	1	1	1	2	-	6	3	1
___(18) SEPTICEMIA	1	1	1	-	1	1	1	2	-	6	3	1
___(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	-	4	2	2	5	3	3	-	3	1	1	-
___(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	1	1	-	-	-	-	-
___(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
___(38) VIRAL HEPATITIS	-	4	2	2	5	2	2	-	2	1	-	-
___(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-	1	-	1	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	1	1	-	-	2	-	2	2	-	-	-	1
___(48) MYCOSES	-	-	-	-	-	-	-	-	-	-	-	-
___(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	1
___(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	1	1	-	-	2	-	2	2	-	-	-	-
NEOPLASMS	11	20	21	36	40	41	72	67	87	74	124	111
__MALIGNANT NEOPLASMS	11	20	20	36	39	40	69	64	87	72	124	110
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	1	2	-	1	1	5	1
_____(56) OF LIP	-	-	-	-	-	-	-	-	-	-	1	-
_____(57) OF TONGUE	-	-	-	-	-	-	1	-	-	1	1	1
_____(58) OF PHARYNX	-	-	-	-	-	-	1	-	1	-	1	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	1	-	-	-	-	2	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	3	5	2	5	12	7	19	3	25	17	36	17
_____(60) OF ESOPHAGUS	2	-	1	1	4	-	5	1	3	1	5	1
_____(61) OF STOMACH	-	-	-	-	2	-	-	-	1	-	6	2
_____(62) OF SMALL INTESTINE	-	-	-	1	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	1	3	1	3	2	2	6	2	7	4	12	8
_____(63) COLON	1	3	-	2	2	1	2	-	6	3	8	8
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	1	1	-	1	4	2	1	1	4	-
_____(65) ANUS AND ANAL CANAL	-	-	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	2	-	-	1	-	3	-	2	3	1	3
_____(66) LIVER	-	-	-	-	-	-	3	-	2	3	-	2
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	2	-	-	1	-	-	-	-	-	1	1
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	1	-	-	-	-	-	1	-
_____(69) OF PANCREAS	-	-	-	-	2	5	5	-	11	9	11	2
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	1	-	-	1
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	1	-	10	9	11	12	16	21	32	20	36	41
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	-	-	1	-	-	-	-
_____(72) OF LARYNX	-	-	-	-	-	-	-	-	-	2	2	1
_____(73) OF TRACHEA, BRONCHUS AND LUNG	1	-	10	9	11	12	16	20	32	18	33	40
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	-	-	-	-	1	-
___(78) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	-	1	-	-	-	-	-	-	1
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	1	1	-	1	-	-	2	1	4	3	-	-
_____(77) MALIGNANT MELANOMA OF SKIN	1	1	-	1	-	-	1	1	3	3	-	-
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	1	-	1	-	-	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	2	4	4	2	1	1
_____(79) MESOTHELIOMA	-	-	-	-	-	-	1	-	1	-	1	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	1	4	3	2	-	1
___(82) MALIGNANT NEOPLASM OF BREAST	-	8	-	10	-	7	-	18	-	12	-	17
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	3	-	5	-	6	-	7	-	4	-	12
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	-	2	-	1	-	-	1	-	3	-	-	-
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	2	-	2	-	-	-	1	-	4
_____(86) OF OVARY	-	1	-	2	-	3	-	4	-	3	-	8
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	-	-	1	-	2	-	3	-	12	-
_____(89) OF PROSTATE	-	-	-	-	1	-	1	-	3	-	12	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	1	-	-	-	-	-

* LIST OF 356 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF URINARY TRACT	1	1	1	-	2	3	3	2	8	3	8	3
_____(92) OF KIDNEY AND RENAL PELVIS	1	-	-	-	1	3	2	2	4	1	5	2
_____(93) OF BLADDER	-	1	1	-	1	-	1	-	4	2	3	1
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	1
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	1	1	-	6	1	3	1	2	3	7	3
_____(96) OF BRAIN	-	1	1	-	6	1	3	1	2	3	7	3
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	1	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	1	-	3	1	4	3	10	3	1	3	11	5
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	4	1	3	4	2	-	10	4	7	4	8	8
_____(100) HODGKIN'S DISEASE	1	-	-	-	1	-	-	-	-	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	2	1	2	3	1	-	6	2	2	2	4	2
_____(101) NON-HODGKIN'S LYMPHOMA	2	1	2	3	1	-	6	2	2	2	4	2
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	-	1	-	-	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	1	-	1	1	-	-	1	2	2	1	2	3
_____LEUKEMIA	-	-	-	-	-	-	3	-	2	1	2	3
_____(105) LYMPHOID LEUKEMIA	-	-	-	-	-	-	1	-	1	-	-	-
_____(106) MYELOID LEUKEMIA	-	-	-	-	-	-	2	-	1	1	1	3
_____(107) MONOCYTIC LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	-	-	-	1	-
__BENIGN NEOPLASMS	-	-	-	-	-	-	1	-	-	-	-	-
___(111) OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	1	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	-	-	1	-	1	-	2	3	-	2	-	1
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	1	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	2	1	1	-	-	-	-	-	1	1	-	-
__ANEMIAS	1	-	1	-	-	-	-	-	-	1	-	-
___(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(117) HEMOLYTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	1	-	1	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	1	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	-	-	-	-	1	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	1	1	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	3	8	7	10	5	10	5	12	8	15	11
__ENDOCRINE DISEASES	-	1	6	4	9	5	9	5	10	6	13	10
___(123) DISORDERS OF THYROID GLAND	-	-	1	-	-	1	-	-	-	-	1	-
___(124) DIABETES MELLITUS	-	1	5	4	9	3	9	4	10	6	12	10
___(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	-	-	-	-	-	-	-	-
___(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	1	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	-	-	-	-	-	-	-	1	-	-	-	-
__NUTRITIONAL DISEASES	1	2	1	2	1	-	1	-	1	1	1	1
___MALNUTRITION	-	-	-	-	-	-	-	-	-	1	-	1
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	1	-	1
___(132) OBESITY AND OTHER HYPERALIMENTATION	1	2	1	2	1	-	1	-	1	-	1	-
__METABOLIC DISORDERS	-	-	1	1	-	-	-	-	1	1	1	-
___(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	-	-	1	-	1	-
___(135) OTHER METABOLIC DISORDERS	-	-	1	1	-	-	-	-	-	1	-	-
MENTAL AND BEHAVIORAL DISORDERS	6	3	3	2	7	2	2	3	5	4	1	2
__(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	-	-	-	1	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	5	3	2	2	7	1	2	2	4	4	-	1
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	5	2	2	1	5	-	2	1	4	2	-	1
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	-	1	-	1	2	1	-	1	-	2	-	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	1	-	-	-	-	1	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	1
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	1	-	-	-	-	-	-	-	-	-	-	-
__(143) MENTAL RETARDATION	-	-	-	-	-	1	-	-	1	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE NERVOUS SYSTEM	2	-	3	5	4	4	4	7	4	9	12	3
__(145) MENINGITIS	-	-	-	-	1	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	1	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	3	-
__(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	1	-	-	2	1
__(149) MULTIPLE SCLEROSIS	1	-	1	-	-	2	3	2	1	2	-	1
__(150) EPILEPSY	-	-	1	-	1	-	1	-	-	-	-	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	1	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	1	-	-	5	2	2	-	3	3	7	7	1
DISEASES OF THE CIRCULATORY SYSTEM	16	11	33	16	48	12	86	27	70	43	85	62
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	1	-	-	2	-	-	1	-
____CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	1	-	-	2	-	-	1	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	1	-	-	1	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	-	-	-	1	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	1	-	-	-	-
__HYPERTENSIVE DISEASES	-	-	-	-	3	-	4	1	1	3	2	2
____(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	-	1	-	-	-	1	2	1	-
____(162) HYPERTENSIVE HEART DISEASE	-	-	-	-	2	-	4	-	-	1	1	-
____(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	2
____(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	1	-	-	-	-
__ISCHEMIC HEART DISEASES	12	2	21	6	32	6	58	10	45	22	46	37
____(165) ACUTE MYOCARDIAL INFARCTION	4	1	9	4	13	1	19	4	18	13	18	19
____(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	1	-	-	-	-	-	-	-	-	-
____OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	8	1	11	2	19	5	39	6	27	9	28	18
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	2	-	2	-	9	5	19	1	10	3	8	2
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	6	1	9	2	10	-	20	5	17	6	20	16
__OTHER HEART DISEASES	4	3	8	4	7	2	11	9	15	11	19	9
____PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	1	-	4	1	1	2	-	-	-	1	3	1
_____(169) PULMONARY EMBOLISM	1	-	3	1	1	1	-	-	-	-	2	1
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	1	-	-	1	-	-	-	1	1	-
____OTHER NON-PULMONARY FORMS OF HEART DISEASE	3	3	4	3	6	-	11	9	15	10	16	8
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	-	1	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	2	1	1	-	-	-	2	1	1	3	-	1
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	1	-	-	-	-	-	-	-	-	-	1
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	2	-	-	-	-	-	1	-	-	1	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	1	-	-	-	1	1	1	2	-	-
_____(176) CARDIOMYOPATHY	-	1	-	1	1	-	1	2	2	1	-	-
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	3	-	-	-	4	2	11	3	2	3
_____HEART FAILURE	-	1	-	-	2	-	3	3	1	3	8	4
_____(178) CONGESTIVE HEART FAILURE	-	1	-	-	2	-	2	2	1	3	5	4
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	1	1	-	-	3	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	1	-	-	2	3	-	1	1	-	-	5	-
__CEREBROVASCULAR DISEASE	-	5	2	5	3	3	10	2	8	5	14	5
____(182) SUBARACHNOID HEMORRHAGE	-	3	1	2	-	-	3	-	-	1	1	-
____(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	2	-	2	3	2	1	1	4	-	3	2
____(184) CEREBRAL INFARCTION	-	-	-	-	-	-	1	-	1	1	1	-
____(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	1	-	-	1	4	1	2	1	7	2
____(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	1	-	-	1	-	1	2	2	1
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	2	-	2	-	3	2	1	2	3	7
____(187) ATHEROSCLEROSIS	-	-	1	-	-	-	-	1	1	-	1	1
____(188) AORTIC ANEURYSM AND DISSECTION	-	-	1	-	1	-	2	-	-	1	1	2
____(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	1	-	1	1	-	1	1	4
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	1	-	1	-	1	-	1	-	-	-	2
____(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	1	-	1	-	1	-	-	-	-	-	2
____(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	1	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	1	3	5	6	4	5	13	9	24	16	38	21
__ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
____(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	1	3	5	6	4	5	13	9	24	16	38	21
___(195) INFLUENZA	0	0	0	0	0	0	0	0	0	0	0	0
___PNEUMONIA	0	1	4	2	2	0	4	1	2	3	1	3
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	0	0	0	0	0	0	0	0	0	0	0	0
_____(197) BACTERIAL PNEUMONIA	0	0	1	0	0	0	1	1	0	1	0	0
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	0	1	3	2	2	0	3	0	2	2	1	3
___CHRONIC LOWER RESPIRATORY DISEASE	0	1	1	2	1	3	6	7	22	10	29	13
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	0	1	1	2	1	3	6	7	22	10	29	13
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	0	0	0	0	0	0	0	0	0	0	0	0
_____(204) EMPHYSEMA	0	0	0	0	0	0	0	2	5	0	5	2
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0	1	1	2	1	3	6	4	17	8	24	11
_____(206) ASTHMA	0	0	0	0	0	0	0	1	0	2	0	0
_____(207) BRONCHIECTASIS	0	0	0	0	0	0	0	0	0	0	0	0
___LUNG DISEASES DUE TO EXTERNAL AGENTS	0	1	0	1	0	0	1	0	0	0	3	1
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	0	0	0	0	0	0	0	0	0	0	0	0
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	0	1	0	1	0	0	1	0	0	0	3	1
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	0	1	0	1	0	0	1	0	0	0	3	1
___(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	0	0	0	0	0	0	0	0	0	0	0	0
___(213) PLEURAL EFFUSION AND PLAQUE	0	0	0	0	0	0	0	0	0	1	0	0
___(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	1	0	0	1	1	2	2	1	0	2	5	4
DISEASES OF THE DIGESTIVE SYSTEM	5	6	15	9	23	8	15	8	12	13	12	5
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	0	0	0	0	0	0	0	0	0	0	0	0
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	5	6	15	9	23	8	15	8	12	13	12	5
___(216) DISEASES OF ESOPHAGUS	0	0	0	0	2	0	0	0	0	0	0	1
___PEPTIC ULCER	0	0	1	0	0	0	0	1	1	1	0	1
_____(217) GASTRIC ULCER	0	0	0	0	0	0	0	1	0	0	0	0
_____(218) DUODENAL ULCER	0	0	1	0	0	0	0	0	0	0	0	1
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	0	0	0	0	0	0	0	0	1	1	0	0
___(221) GASTRITIS AND DUODENITIS	0	0	0	0	0	0	1	0	0	0	0	0
___(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	0	0	0	0	0	0	0	0	0	0	0	0
___(224) HENIA	0	0	0	0	0	0	0	0	0	0	1	0
___(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	0	0	0	0	0	1	0	0	0	0	1	0
___(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	0	0	1	0	0	0	1	0	0	3	1	0
___(227) DIVERTICULAR DISEASE OF INTESTINE	0	0	0	0	0	0	0	0	0	0	0	0
___(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	0	0	0	0	0	0	0	0	1	0	0	2
___(229) DISEASES OF PERITONEUM	0	0	0	0	0	0	0	0	0	0	0	0
___DISEASES OF LIVER	4	6	10	8	20	6	13	5	6	8	6	1
_____(230) ALCHOLIC LIVER DISEASE	1	3	2	5	13	5	5	2	6	3	3	0
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	0	0	0	0	0	0	0	0	0	0	0	0
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	0	3	4	0	2	1	7	1	0	3	1	1
_____(233) OTHER DISEASES OF LIVER	3	0	4	3	5	0	1	2	0	2	2	0
___(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	0	0	0	0	0	1	0	1	1	0	0	0
___DISORDERS OF BILIARY TRACT AND PANCREAS	1	0	0	1	1	0	0	0	0	1	2	0
_____(235) PANCREATITIS	1	0	0	0	1	0	0	0	0	1	2	0
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	0	0	0	1	0	0	0	0	0	0	0	0
___(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	0	0	3	0	0	0	0	1	3	0	1	0
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	0	0	0	0	0	1	0	0	0	0	0	0
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	0	0	0	0	0	1	0	0	0	0	0	0
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	0	2	0	1	0	2	0	2	3	2	3	5
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	0	0	0	0	0	0	0	0	0	0	0	1
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	0	1	0	0	0	0	0	0	1	1	0	0
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	0	1	0	1	0	0	0	2	2	0	0	2
__(243) DORSOPATHIES	0	0	0	0	0	0	0	0	0	0	1	1
__(244) SOFT TISSUE DISORDERS	0	0	0	0	0	2	0	0	0	0	1	0
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	0	0	0	0	0	0	0	0	0	1	1	1
___(245) OSTEOPOROSIS	0	0	0	0	0	0	0	0	0	0	1	0
DISEASES OF THE GENITOURINARY SYSTEM	1	0	2	0	1	1	2	2	5	3	3	6
__DISEASES OF URINARY SYSTEM	1	0	2	0	1	1	1	2	5	3	3	6
___GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	0	0	0	0	0	0	0	0	0	0	0	0
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	0	0	0	0	0	0	0	0	0	0	0	0

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(251) RENAL FAILURE	1	-	1	-	1	-	1	-	3	1	3	3
___(252) UROLITHIASIS	-	-	-	-	-	-	-	1	-	-	-	1
___(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	-	-	1	-	1	2	2	-	2
___(255) OTHER DISEASES OF URINARY TRACT	-	-	1	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	1	-	-	-	-	-
___(256) HYPERPLASIA OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
___(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	1	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DIRECT OBSTETRIC DEATHS	-	-	-	1	-	-	-	-	-	-	-	-
___(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	-	-	-	-	-	-	-	-	-	-	-	-
___(270) ALL OTHER DIRECT OBSTETRIC DEATHS	-	-	-	1	-	-	-	-	-	-	-	-
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	1	-	3	-	1	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATINO IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	-	1	1	-	-	3	1	1	-
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	1	-	-	1	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	-	-	-	1	-
__(289) DOWN'S SYNDROME	-	-	-	-	1	-	-	-	2	1	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	2	-	3	-	2	-	4	1	4	-	1	4
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	2	-	1	-	1	-	3	1	2	-	-	2
___(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
___(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	2	-	1	-	1	-	3	1	2	-	-	2
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	2	-	1	-	1	-	2	-	1	2
EXTERNAL CAUSES OF MORTALITY	42	33	41	25	42	9	28	13	25	13	21	12
__ACCIDENTS	20	17	25	20	23	6	18	8	18	9	17	9
___TRANSPORT ACCIDENTS	6	9	16	9	14	5	14	6	13	2	8	4
_____(295) RAILWAY ACCIDENTS	-	-	1	-	2	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	6	9	13	9	10	5	10	6	7	2	7	4
_____(296) PEDESTRIAN, COLLISION WITH MOTOR VEHICLE	-	1	1	-	1	-	-	-	1	-	1	1
_____(297) PEDALCYCLIST, COLLISION WITH MOTOR VEHICLE	-	-	-	1	-	1	-	-	-	-	-	-
_____(298) MOTORCYCLIST, ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	1	-	1	1	2	1	-	-	2	-	2	-
_____(301) MOTOR VEHICLE, COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	2	1	3	1	-	-	2	1	-	-	-	-
_____(302) CAR, PICKUP TRUCK OR VAN, COLLISION WITH OTHER MOTOR VEHICLE	-	1	4	1	2	1	3	-	1	1	3	3
_____(303) HEAVY TRANSPORT VEHICLE OR BUS, COLLISION WITH OTHER MOTOR VEHICLE	1	-	-	-	-	-	-	-	-	-	-	-
_____(304) MOTOR VEHICLE, NONCOLLISION ACCIDENT	2	5	1	2	4	2	5	3	1	1	1	-
_____(305) SPECIAL-USE MOTOR VEHICLE, ANY ACCIDENT	-	-	2	-	1	-	-	-	1	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	1	1	3	-	-	-	2	1	-	-	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	-	-	1	-
_____(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	-	-	1	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	2	-	1	-	3	-	5	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	1	-	-	-
___FALLS	1	1	2	2	-	-	1	1	1	2	5	2
_____(312) FALL ON SAME LEVEL	-	1	1	-	-	-	-	-	1	-	-	1
_____(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	1	1	-	-	-	1	-	-	4	-
_____(314) UNSPECIFIED FALL	1	-	-	1	-	-	1	-	-	2	1	1
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	1	-	1	-	-	-	1	-	-	-	1	-
___(317) ACCIDENTAL DROWNING AND SUBMERSION	1	-	-	-	1	-	-	-	1	-	1	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	0	-	1	1	-	-	-	-	-	1	-	1

* LIST OF 358 SELECTED UNDERLYIND CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 356 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	1	-	-	-	-	-	-	-	-	-	1	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	1	-	-	-	-	-	1	1	-	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	8	7	3	8	4	1	1	1	1	2	1	1
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	8	7	3	7	3	1	1	1	-	1	-	1
_____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	-	-	-	-	-	-	-	-	1	-	-	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	1	1	-	-	-	-	1	1	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	2	-	1	-	4	-	1	-	1	1	-	1
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	17	9	14	4	14	1	9	3	7	3	3	1
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	2	2	1	1	3	1	1	-	1	2	-	1
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	1	-	-	-	-	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	3	1	-	-	1	-	1	-	-	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	3	-	2	-	3	-	1	-	-	-	1	-
___(335) BY DISCHARGE OF FIREARMS	7	6	11	2	7	-	6	3	5	1	2	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	1	-	-	1	-	-	-	-	1	-	-	-
__ASSAULT (HOMICIDE)	1	2	1	-	1	-	1	-	-	1	1	-
___(340) BY DISCHARGE OF FIREARMS	1	2	-	-	-	-	-	-	-	1	1	-
___(341) BY SHARP OBJECT	-	-	-	-	-	-	1	-	-	-	-	-
___(342) BY BLUNT OBJECT	-	-	-	-	-	-	-	-	-	-	-	-
___(343) BY BODILY FORCE	-	-	-	-	-	-	-	-	-	-	-	-
___(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	1	-	1	-	-	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	4	5	1	1	3	2	-	1	-	-	-	-
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	4	4	-	-	2	2	-	-	-	-	-	-
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	1	1	1	1	-	-	1	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	1	-	-	1	-	-	-	2
___(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELA	-	-	-	-	-	-	-	-	-	-	-	-
___(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	1
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	1	-	-	1	-	-	-	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	424	334	552	443	640	647	900	1,565
CERTAIN INFECTIOUS AND PARASITIC DISEASES	4	3	6	2	11	8	9	23
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	1	-	1	2
___OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	1	-	1	2
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	1	-	1	2
__ZOONOTIC AND OTHER BACTERIAL OISEASES	2	2	6	-	9	6	7	20
____(18) SEPTICEMIA	2	2	6	-	9	6	6	19
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	1	1
__VIRAL DISEASES	1	1	-	1	-	1	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	1	-	-
____(36) VIRAL HEPATITIS	1	1	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	1	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	1	-	-	1	1	1	1	1
____(46) MYCOSES	-	-	-	1	-	-	1	-
____(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	1	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	1	-	-	-	1	-	-	1
NEOPLASMS	138	113	181	144	155	145	151	166
__MALIGNANT NEOPLASMS	132	111	176	139	149	136	147	158
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	3	-	1	2	3	-	2	-
_____(56) OF LIP	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	1	-	-	-	-	-	-	-
_____(58) OF PHARYNX	1	-	1	2	2	-	1	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	1	-	-	-	1	-	1	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	28	18	31	27	29	30	28	44
_____(60) OF ESOPHAGUS	4	1	4	2	6	2	1	2
_____(61) OF STOMACH	3	3	3	2	2	-	3	2
_____(62) OF SMALL INTESTINE	-	-	-	-	-	1	-	-
_____OF COLON, RECTUM AND ANUS	11	5	12	8	11	11	17	23
_____(63) COLON	8	5	12	8	9	10	14	23
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	1	-	-	-	2	1	3	-
_____(65) ANUS AND ANAL CANAL	2	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	2	4	2	3	4	2	-	1
_____(66) LIVER	-	3	1	2	2	2	-	1
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	2	1	1	1	2	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	1	-	-	2	1	4	-	1
_____(69) OF PANCREAS	7	5	10	10	5	9	7	15
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	1	-	-
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	50	38	62	47	36	41	16	17
_____(71) OF NASAL CAVITY, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	1	-	-
_____(72) OF LARYNX	2	1	-	-	-	-	2	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	48	37	61	46	36	40	14	17
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	1	1	-	-	-	-
_____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	-	1	-	-	-
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	1	1	4	3	-	1	4	3
_____(77) MALIGNANT MELANOMA OF SKIN	-	1	2	3	-	1	3	1
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	1	-	2	-	-	-	1	2
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	3	1	1	1	1	5	1	4
_____(79) MESOTHELIOMA	2	-	1	-	1	2	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	1	1	-	1	-	3	1	4
___(82) MALIGNANT NEOPLASM OF BREAST	-	18	1	10	-	14	-	22
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	11	-	19	-	11	-	17
_____(83) OF VULVA AND VAGINA	-	1	-	-	-	1	-	1
_____(84) OF CERVIX UTERI	-	1	-	-	-	1	-	1
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	5	-	10	-	1	-	4
_____(86) OF OVARY	-	4	-	9	-	8	-	10
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	1
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	16	-	23	-	28	-	46	-
_____(89) OF PROSTATE	16	-	23	-	28	-	46	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF URINARY TRACT	9	1	11	7	10	5	14	7
_____(92) OF KIDNEY AND RENAL PELVIS	6	1	3	2	4	3	2	2
_____(93) OF BLADDER	3	-	8	5	6	2	12	5
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	1	2	4	2	1	2	1	1
_____(96) OF BRAIN	1	2	4	2	1	2	1	1
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	1	-	1	1	1	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	4	9	17	9	13	7	14	23
___MALIGNANT NEOPLASMS OF LYMPHDID, HEMATOPOIETIC AND RELATED TISSUE	17	11	21	11	26	19	21	20
_____(100) HODGKIN'S DISEASE	-	-	-	-	1	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	4	7	5	5	7	7	10	8
_____(101) NON-HODGKIN'S LYMPHOMA	4	7	5	5	7	7	10	8
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	1	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEDPLASMS	8	1	6	-	7	3	5	4
_____LEUKEMIA	5	3	10	6	11	9	5	8
_____(105) LYMPHOID LEUKEMIA	4	1	3	3	2	1	1	5
_____(106) MYELOID LEUKEMIA	1	2	6	3	4	6	3	3
_____(107) MONOCYTIC LEUKEMIA	-	-	-	-	2	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	1	-	3	2	1	-
__BENIGN NEOPLASMS	-	1	-	-	-	1	1	1
___(111) OF FEMALE GENITAL ORGANS	-	1	-	-	-	-	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	1	1	1
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	6	1	5	5	6	8	3	4
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	3
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	1	2	4	3	4	1	2	6
__ANEMIAS	-	1	2	1	1	-	2	5
___(116) NUTRITIONAL ANEMIAS	-	-	-	1	-	-	-	-
___(117) HEMOLYTIC ANEMIAS	-	1	1	-	-	-	-	-
___(118) APLASTIC ANEMIAS	-	-	1	-	1	-	-	2
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	2	3
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	1	1	-	2	1	-	1
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	1	-	-	1	1	-	-	-
__(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	1	1	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	17	16	16	19	22	29	29	63
__ENDOCRINE DISEASES	14	12	12	16	20	23	24	41
___(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	1	2
___(124) DIABETES MELLITUS	14	12	11	16	20	23	22	38
___(125) DISORDERS OF PITUITARY GLAND	-	-	-	-	-	-	1	-
___(126) DISORDERS OF ADRENAL GLANDS	-	-	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	-	-	1	-	-	-	-	1
__NUTRITIONAL DISEASES	2	-	-	-	1	4	-	7
___MALNUTRITION	-	-	-	-	1	2	-	7
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	1	2	-	7
___(132) OBESITY AND OTHER HYPERALIMENTATION	2	-	-	-	-	2	-	-
__METABOLIC DISORDERS	1	4	4	3	1	2	5	15
___(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	2	1	2	-	1	2	11
___(135) OTHER METABOLIC DISORDERS	1	2	3	1	1	1	3	4
MENTAL AND BEHAVIDRAL DISORDERS	8	4	9	12	19	32	39	106
__(136) ORGANIC DEMENTIA	5	-	6	10	15	28	34	100
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	1	-	1	3
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	2	4	3	1	3	2	3	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	1	1	1	-	1	-	-	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	1	3	2	1	2	2	3	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIDNAL DISORDERS	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	1	-	-	1	-	2	1	2
__(142) NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS	-	-	-	-	-	-	-	-
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-
__(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	-	-	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE NERVOUS SYSTEM	18	12	18	28	39	47	52	127
__(145) MENINGITIS	-	1	-	1	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	1	1	-	1
__(147) PARKINSON'S DISEASE	4	2	4	4	14	8	9	11
__(148) ALZHEIMER'S DISEASE	4	3	9	17	18	31	38	106
__(149) MULTIPLE SCLEROSIS	3	1	-	1	-	1	-	1
__(150) EPILEPSY	-	-	-	-	-	-	-	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	1
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	7	5	5	5	8	6	5	7
DISEASES OF THE CIRCULATORY SYSTEM	127	87	178	136	225	243	338	647
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	4	1	-	3	6	-	4
___CHRONIC RHEUMATIC HEART DISEASES	-	4	1	-	3	6	-	4
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	2	-	-	1	3	-	2
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	1	-	1	-	-	1
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	2	-	-	1	3	-	1
__HYPERTENSIVE DISEASES	2	2	1	10	2	7	14	32
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	2	-	4	3	21
___(162) HYPERTENSIVE HEART DISEASE	1	2	1	7	2	3	5	8
___(163) HYPERTENSIVE RENAL DISEASE	1	-	-	1	-	-	2	5
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	4	-
__ISCHEMIC HEART DISEASES	74	39	92	50	108	81	132	197
___(165) ACUTE MYOCARDIAL INFARCTION	21	18	27	16	39	30	52	73
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	1	-	-	-	-	-	-	3
___OTHER FORMS OF CHRONIC ISHCEMIC HEART OISEASE	52	21	65	34	69	51	80	121
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	12	6	4	5	9	5	12	17
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	40	15	61	29	60	46	68	104
__OTHER HEART DISEASES	25	19	30	37	55	78	104	232
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	3	2	4	1	2	6	3	12
_____(169) PULMONARY EMBOLISM	-	2	1	-	1	3	-	8
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	3	-	3	1	1	3	3	4
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	22	17	26	36	53	72	101	220
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	1	-	-	1	1
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	1	1	-	1	-	1
_____OTHER DISEASES OF ENDOCARDIUM	5	2	1	2	3	17	16	40
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	2	-	-	-	-	2	4	5
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	1	1	1	-	3	8	8	25
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	2	1	-	2	-	7	4	10
_____(176) CARDIOMYDPATHY	3	-	3	4	5	1	7	6
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	5	8	10	8	10	16	23	51
_____HEART FAILURE	5	6	11	16	31	34	51	113
_____(178) CONGESTIVE HEART FAILURE	5	6	10	14	30	33	47	111
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	1	2	1	1	4	2
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	4	1	-	4	4	3	3	8
__CEREBROVASCULAR DISEASE	20	14	30	27	48	62	69	149
___(182) SUBARACHNOID HEMORRHAGE	1	4	-	2	-	1	1	3
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	7	3	7	6	7	9	6	11
___(184) CEREBRAL INFARCTION	2	1	1	-	-	3	1	10
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	6	4	12	11	25	35	35	89
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	4	2	10	8	16	14	26	36
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	5	9	23	12	8	7	17	29
___(187) ATHEROSCLEROSIS	2	3	5	5	1	2	8	16
___(188) AORTIC ANEURYSM AND DISSECTION	1	2	15	3	5	4	8	2
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	2	4	3	4	2	1	1	11
__OTHER DISORDERS OF CIRCULATORY SYSTEM	1	-	1	-	1	2	2	4
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBO	1	-	1	-	-	2	1	2
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	1	-	1	2
DISEASES OF THE RESPIRATORY SYSTEM	64	52	89	58	108	74	148	176
_ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	1	1
___(194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	-	-	-	-	-	-	1	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	64	52	89	58	108	74	147	175
____(195) INFLUENZA	-	-	-	-	1	-	1	2
____PNEUMONIA	3	1	6	5	13	14	40	54
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	1	-	-
_____(197) BACTERIAL PNEUMONIA	-	-	2	1	1	-	1	1
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	3	1	4	4	12	13	39	53
____CHRONIC LOWER RESPIRATORY DISEASE	46	48	69	46	73	48	67	85
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	46	48	69	46	73	47	67	85
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	1	-
_____(204) EMPHYSEMA	9	5	6	5	10	4	3	8
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	36	42	63	41	61	41	61	75
_____(206) ASTHMA	1	1	-	-	2	2	2	2
_____(207) BRONCHIECTASIS	-	-	-	-	-	1	-	-
____LUNG DISEASES DUE TO EXTERNAL AGENTS	4	2	7	2	8	7	23	16
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	2	-	3	-	3	1	1	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	2	2	4	2	5	6	22	16
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	2	2	4	2	5	6	22	16
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	1	-	-	1	-	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	1	-	-	-	-
____(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	11	-	7	4	12	5	16	18
DISEASES OF THE DIGESTIVE SYSTEM	21	15	15	14	9	22	28	73
__(215) DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	-	-	-	-	-	1	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	21	15	15	14	9	21	28	73
____(216) DISEASES OF ESOPHAGUS	1	-	-	-	-	2	1	7
____PEPTIC ULCER	1	2	1	-	-	4	2	10
_____(217) GASTRIC ULCER	-	2	-	-	-	-	-	2
_____(218) DUODENAL ULCER	-	-	1	-	-	3	-	4
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	1	-	-	-	-	1	2	4
_____(221) GASTRITIS AND DUODENITIS	-	-	-	-	-	-	-	1
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	1
____(224) HENIA	-	1	1	-	-	2	-	2
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	1	1	-	-	1	2
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	3	3	5	-	2	2	7	13
____(227) DIVERTICULAR DISEASE OF INTESTINE	1	1	1	1	1	2	2	5
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	1	2	2	2	3	7
____(229) DISEASES OF PERITONEUM	1	-	-	2	-	-	-	-
____DISEASES OF LIVER	9	6	5	3	1	-	2	2
_____(230) ALCHOLIC LIVER DISEASE	2	-	1	-	-	-	-	-
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	1
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	6	2	2	2	-	-	-	1
_____(233) OTHER DISEASES OF LIVER	1	4	2	1	1	-	2	-
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	2	-	-	-	-	2	3	6
____DISORDERS OF BILIARY TRACT AND PANCREAS	1	-	-	1	-	3	-	4
_____(235) PANCREATITIS	1	-	-	-	-	3	-	3
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	1	-	-	-	1
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	2	2	-	4	3	2	7	13
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	1	-	-	-	-	2
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	1	-	-	-	-	2
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	7	5	4	3	11	9	28
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	4	2	1	-	3	-	7
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	1	1	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	2	-	1	1	5	2	4
__(243) DORSOPATHIES	-	-	1	-	-	-	1	1
__(244) SOFT TISSUE DISORDERS	-	-	-	1	1	-	1	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	1	1	1	3	5	16
____(245) OSTEOPOROSIS	-	-	1	1	1	3	5	15
DISEASES OF THE GENITOURINARY SYSTEM	5	7	8	8	19	16	30	45
__DISEASES OF URINARY SYSTEM	5	7	7	7	17	16	28	45
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	1	1	1
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	1	1	1

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(251) RENAL FAILURE	5	7	2	5	9	8	24	31
___(252) UROLITHIASIS	-	-	-	-	-	1	-	-
___(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFIED	-	-	3	2	7	6	3	11
___(255) OTHER DISEASES OF URINARY TRACT	-	-	2	-	1	-	-	2
__DISEASES OF MALE GENITAL ORGANS	-	-	1	-	2	-	2	
___(256) HYPERPLASIA OF PROSTATE	-	-	-	-	1	-	2	
___(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	1	-	1	-	-	
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	1	-	-	-	
___(260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	-	-	-	1	-	-	-	
__OTHER DIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	
___(267) HEMORRHAGE OF PREGNANCY AND CHILDBIRTH AND PLACENTA PREVIA	-	-	-	-	-	-	-	
___(270) ALL OTHER DIRECT OBSTETRIC DEATHS	-	-	-	-	-	-	-	
__(272) OTHER DEATHS RELATED TO PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	-	-	-	
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	
__(280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	-	-	-	-	-	-	-	
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	1	-	-	-	1	-	-	
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	-	-	-	-	-	-	-	
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	1	-	-	
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	1	-	-	-	-	-	-	
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	3	4	4	8	6	9	25	52
__(291) SENILITY	-	-	-	-	2	3	11	25
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	1	1	2	5	2	3	6	15
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	1	1	2	5	2	3	6	15
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	2	3	2	3	2	3	8	12
EXTERNAL CAUSES OF MORTALITY	17	12	18	7	19	10	40	51
__ACCIDENTS	12	7	9	5	16	10	36	50
____TRANSPORT ACCIDENTS	3	2	4	2	5	2	4	3
_____(295) RAILWAY ACCIDENTS	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	3	2	4	2	5	2	4	3
_____(296) PEDESTRIAN, COLLISION WITH MOTOR VEHICLE	-	-	-	1	-	-	1	-
_____(297) PEDALCYCLIST, COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST, ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE, COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIN	1	-	-	-	1	1	-	-
_____(302) CAR, PICKUP TRUCK OR VAN, COLLISION WITH OTHER MOTOR VEHICLE	1	2	1	1	4	-	2	2
_____(303) HEAVY TRANSPORT VEHICLE OR BUS, COLLISION WITH OTHER MOTOR VEHICLE	-	-	-	-	-	-	-	-
_____(304) MOTOR VEHICLE, NONCOLLISION ACCIDENT	1	-	2	-	-	1	1	-
_____(305) SPECIAL-USE MDTOR VEHICLE, ANY ACCIDENT	-	-	1	-	-	-	1	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	-	-	-	-	-	-	1
_____(308) OTHER AND UNSPECIFIED LAND TRANSPDRT ACCIDENTS	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
____FALLS	5	1	2	2	7	4	24	30
_____(312) FALL ON SAME LEVEL	2	-	2	1	4	3	14	17
_____(313) FALL FROM ONE LEVEL TO ANOTHER	2	1	-	-	-	-	1	1
_____(314) UNSPECIFIED FALL	1	-	-	1	3	1	9	12
_____(315) ACCIDENTAL DISCHARGE OF FIREARMS	1	-	-	-	-	-	-	-
____(317) ACCIDENTAL DROWNING AND SUBMERSION	1	1	-	-	-	-	-	-
____(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	1	-	1	-	1	2	1	3

* LIST OF 358 SELECTED UNDERLYIND CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIDURE 2.

TABLE D-1 (CONCLUDED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	0	0	0	0	0	0	0	2
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	0	0	0	0	0	0	0	0
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	0	1	0	0	0	0	1	0
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	0	0	0	0	0	0	0	0
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	0	0	0	0	2	0	1	1
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	0	0	0	0	1	0	0	0
_____(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	0	0	0	0	0	0	0	0
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	0	0	0	0	1	0	1	1
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	2	2	1	1	2	5	11
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	5	3	8	1	2	0	3	0
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	1	0	0	1	0	0	0	0
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	0	0	0	0	0	0	0	0
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	1	1	0	0	0	0	0	0
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	0	0	0	0	0	0	0	0
___(335) BY DISCHARGE OF FIREARMS	3	2	8	0	2	0	3	0
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	0	0	0	0	0	0	0	0
__ASSAULT (HOMICIDE)	0	0	1	0	0	0	0	0
___(340) BY DISCHARGE OF FIREARMS	0	0	0	0	0	0	0	0
___(341) BY SHARP OBJECT	0	0	1	0	0	0	0	0
___(342) BY BLUNT OBJECT	0	0	0	0	0	0	0	0
___(343) BY BODILY FORCE	0	0	0	0	0	0	0	0
___(345) NEGLECT, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	0	0	0	0	0	0	0	0
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	0	0	0	0	0	0	0	0
__EVENT OF UNDETERMINED INTENT	0	1	0	0	0	0	0	1
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	0	1	0	0	0	0	0	1
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	0	0	0	0	0	0	0	0
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	0	0	0	0	0	0	0	0
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	0	1	0	1	1	0	1	0
___(356)DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE, AND THEIR SEQUELAE	0	0	0	0	0	0	1	0
___(357) MISADVENTURES TO PATIENTS DURING MEDICAL AND SURGICAL CARE, AND THEIR SEQUELAE	0	0	0	0	1	0	0	0
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	0	1	0	1	0	0	0	0

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE 0-2

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
ALL CAUSES	8,083	7,006	403	674	4,064	3,506	230	328	4,019	3,500	173	346
__(3) CERTAIN OTHER INTESTINAL INFECTIONS	6	5	1	-	3	2	1	-	3	3	-	-
__(9#) SEPTICEMIA	70	61	4	5	31	25	3	3	39	36	1	2
__(14#) VIRAL HEPATITIS	22	16	2	4	12	9	1	2	10	7	1	2
__(17) OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES AND THEIR SEQUELAE	29	22	3	-	12	12	-	-	13	10	3	-
(#) MALIGNANT NEOPLASMS	1,656	1,638	73	147	963	859	39	65	895	779	34	82
__(18) MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	22	18	3	1	17	14	2	1	5	4	1	-
__(19) MALIGNANT NEOPLASM OF ESOPHAGUS	47	40	3	4	36	30	2	4	11	10	1	
__(20) MALIGNANT NEOPLASM OF STOMACH	29	25	2	2	20	17	1	2	9	8	1	-
__(21) MALIGNANT NEOPLASMS OF COLON, RECTUM AND ANUS	149	135	4	10	80	70	3	7	69	65	1	3
__(22) MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPTIC BILE DUCTS	33	26	3	4	15	11	2	2	18	15	1	2
__(23) MALIGNANT NEOPLASMS OF PANCREAS	113	104	3	6	58	52	3	3	55	52	-	3
__(24) MALIGNANT NEOPLASM OF LARYNX	10	9	1	-	6	5	1	-	4	4	-	-
__(25) MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG	502	443	15	44	262	238	9	15	240	205	6	29
__(26) MALIGNANT MELANOMA OF SKIN	23	22	-	1	10	10	-	-	13	12	-	1
__(27) MALIGNANT NEOPLASM OF BREAST	139	121	6	12	1	1	-	-	138	120	6	12
__(28) MALIGNANT NEOPLASM OF CERVIX UTERI	10	7	2	1	-	-	-	-	10	7	2	1
__(29) MALIGNANT NEOPLASMS OF CORPUS UTERI AND UTERUS,PART UNSPECIFIED	29	25	1	3	-	-	-	-	29	25	1	3
__(30) MALIGNANT NEOPLASM OF OVERY	52	46	1	5	-	-	-	-	52	46	1	5
__(31) MALIGNANT NEOPLASM OF PROSTRATE	130	120	4	6	130	120	4	8	-	-	-	-
__(32) MALIGNANT NEOPLASMS OF KIDNEY AND RENAL PELVIS	44	38	2	4	26	26	-	2	18	12	2	2
__(33) MALIGNANT NEOPLASM OF BLADDER	55	52	1	2	39	36	1	2	16	16	-	-
__(34) MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	46	41	1	4	28	25	1	2	18	16	-	2
MALIGNANT NEOPLASMS OF LYMPHOID, HEMOPOIETIC AND RELATED TISSUE	205	179	10	16	122	104	6	12	83	75	4	4
__(35) HODGKIN'S DISEASE	4	4	-	-	4	4	-	-	-	-	-	-
__(36) NON-HODGKIN'S LYMPHOMA Non-Hodgkin s lymphoma	82	73	4	5	45	37	3	5	37	36	1	
__(37) LEUKEMIA	69	60	3	6	38	33	1	4	31	27	2	2
__(36) MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	50	42	3	5	35	30	2	3	15	12	1	2
__(40) ALL OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS	220	187	11	22	111	100	4	7	109	87	7	15
__(41#) IN SITUE NEOPLASMS, BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR	59	53	-	6	27	23	-	4	32	30	-	2
__(42#) ANEMIAS	15	13	-	2	7	7	-	-	8	6	-	2
__(43#) DIABETES MELLITUS	236	194	28	14	114	88	18	8	122	106	10	6
(#) NUTRITIONAL DEFICIENCIES	12	12	-	-	1	1	-	-	11	11	-	-
__(44) MALNUTRITION	12	12	-	-	1	1	-	-	11	11	-	-
__(45#) MENINGITIS	4	4	-	-	2	2	-	-	2	2	-	-
__(47#) PARKINSON'S DISEASE	59	56	1	2	34	32	1	1	25	24	-	1
__(48#) ALZHEIMER'S DISEASE	228	201	-	27	69	59	-	10	159	142	-	17
MAJOR CARDIOVASCULAR DISEASES	2,497	2,191	90	216	1,212	1,061	46	103	1,285	1,130	42	113
__(#) DISEASES OF HEART	1,834	1,611	70	153	933	811	39	83	901	800	31	70
__(49) ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES	22	20	1	1	6	4	1	1	16	16	-	-
__(50) HYPERTENSIVE HEART DISEASE	35	33	-	2	16	16	-	-	19	17	-	2
__(51) HYPERTENSIVE HEART AND RENAL DISEASE	5	5	-	-	4	4	-	-	1	1	-	-
ISCHEMIC HEART DISEASES	1,078	933	42	103	625	539	23	63	453	394	19	40
__(52) ACUTE MYOCARDIAL INFARCTION	404	341	20	43	222	190	10	22	182	151	10	21
__(53) OTHER ACUTE ISCHEMIC HEART DISEASES	5	4	1	-	2	1	1	-	3	3	-	-
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	669	588	21	60	401	348	12	41	268	240	9	19
__(54) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	132	116	4	12	88	75	3	10	44	41	1	2
__(55) ALL OTHER FORMS OF CHRONIC HEART DISEASE	537	472	17	48	313	273	9	31	224	199	8	17
__(59) ALL OTHER FORMS OF HEART DISEASE	393	347	18	28	166	143	10	13	227	204	8	15
__(60#) ESSENTIAL (PRIMARY) HYPERTENSION AND HYPERSENSIVE RENAL RENAL DISEASE	46	42	1	3	9	9	-	-	37	33	1	3
__(61#) CEREBROVASCULAR DISEASES	454	422	11	51	205	186	4	15	279	236	7	36
__(62#)ATHEROSCLEROSIS	47	45	-	2	13	17	-	2	28	28	-	-
__OTHER DISEASES OF CIRCULATORY SYSTEM	86	71	8	7	46	38	5	3	40	33	3	4
__(63#) AORTIC ANEURYSM AND DISSECTION	49	42	4	3	35	29	4	2	14	13	-	1
__(64) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	37	29	4	4	11	9	1	1	26	20	3	3
__(65) OTHER DISORDERS OF CIRCULATORY SYSTEM	17	17	-	-	5	5	-	-	12	12	-	-
__(#) INFLUENZA AND PNEUMONIA	165	144	6	15	78	71	1	6	87	73	5	9
__(66) INFLUENZA	4	4	-	-	2	2	-	-	2	2	-	-
__(67) PNEUMONIA	161	140	6	15	76	69	1	6	85	71	5	9
__(#) CHRONIC LOWER RESPIRATORY DISEASE	578	529	11	38	314	290	5	19	264	239	6	19
__(70) BRONCHITIS, CHRONIC AND UNSPECIFIED	1	1	-	-	1	1	-	-	-	-	-	-
__(71) EMPHYSEMIA	64	59	-	5	38	35	-	3	26	24	-	2

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

04-55

TABLE D-2. (CONCLUDED)

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat Am.	OTHER	TOTAL	WHITE	Nat Am.	OTHER	TOTAL	WHITE	Nat Am.	OTHER
__(72) ASTHMA	13	12	-	1	5	5	-	-	8	7	-	1
__(73) OTHER CHRONIC LOWER RESPIRATORY DISEASES	500	457	11	32	270	249	5	16	230	208	6	16
__(74#) PNEUMOCONIOSES AND CHEMICAL EFFECTS	10	7	-	3	9	6	-	3	1	1	-	-
__(75#) PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	67	55	2	10	38	28	2	7	29	26	-	3
__(76) OTHER DISEASES OF RESPIRATORY SYSTEM	101	84	5	12	59	51	3	5	42	33	2	7
__(77#) PEPTIC ULCER	25	25	-	-	6	6	-	-	19	19	-	
__(79#) HERNIA	7	7	-	-	2	2	-	-	5	5	-	-
(#) CHRONIC LIVER DISEASE AND CIRRHOSIS	**95**	**64**	**24**	**7**	**57**	**42**	**8**	**7**	**38**	**22**	**16**	-
__(80) ALCOHOLIC LIVER DISEASE	58	36	18	4	35	26	5	4	23	10	13	-
__(81) OTHER CHRONIC LIVER DISEASE AND CIRRHOSIS	37	28	6	3	22	16	3	3	15	12	3	-
__(82#) CHOLETITHIASIS AND OTHER DISORDERS OF GALLBLADDER	16	14	1	1	6	6	-	-	10	8	1	1
(#) NEPHRITIS, NEPHROTICSYNDROM AND NEPHROSIS	**107**	**95**	**6**	**6**	**51**	**43**	**3**	**5**	**56**	**52**	**3**	**1**
__(85) RENAL FAILURE	107	95	6	6	51	43	3	5	56	52	3	1
__(87#) INFECTIONS OF KIDNEY	2	2	-	-	-	-	-	-	2	2	-	-
__(88#) HYPERPLASIA OF PROSTATE	3	2	-	1	3	2	-	1	-	-	-	-
__(#) PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	9	7	1	1	-	-	-	-	9	7	1	1
__(91) OTHER COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	9	7	1	1	-	-	-	-	9	7	1	1
__(92#) CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	22	16	5	1	12	8	4	-	10	8	1	1
__(93#) CONGENITAL MALFORMATIONS, DEFORMATION AND CHROMOSOMAL ABNORMALITIES	31	27	3	1	19	17	2	-	12	10	1	1
__(94) SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHER E CLASSIFIED	146	120	10	16	61	51	4	6	85	69	6	10
__(95) ALL OTHER DISEASES (RESIDUAL)	821	715	31	75	341	296	14	31	480	419	17	44
(#) ACCIDENTS	**529**	**419**	**69**	**41**	**337**	**264**	**51**	**22**	**192**	**155**	**18**	**19**
TRANSPORT ACCIDENTS	**271**	**198**	**44**	**29**	**186**	**138**	**32**	**16**	**85**	**60**	**12**	**13**
__(96) MOTOER VEHICLE ACCIDENTS	237	168	40	29	157	113	28	16	80	55	12	13
__(97) OTHER LAND TRANSPORT ACCIDENTS	5	1	4	-	5	1	4	-	-	-	-	-
__(98) WATER, AIR AND SPACE AND OTHER UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	29	29	-	-	24	24	-	-	5	5	-	-
NONTRANSPORT ACCIDENTS	**254**	**219**	**24**	**11**	**147**	**124**	**18**	**5**	**107**	**95**	**6**	**6**
(#) INTENTIAL SELF-HARM (SUICIDE)	**174**	**144**	**15**	**15**	**141**	**113**	**14**	**14**	**33**	**31**	**1**	**1**
__(105) INTENTIAL SELF-HARM (SUICIDE) BY DISCHARGE OF FIEARMS	105	87	6	12	90	74	5	11	15	13	1	1
__(106) INTENTIONAL SELF-HARM (SUICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	69	57	9	3	51	39	8	3	18	18	-	-
__(#) ASSAULT (HOMICIDE)	25	13	7	5	19	8	7	4	6	5	-	1
__(107) ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS	12	7	2	3	7	3	2	2	5	4	-	1
__(108) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	13	6	5	2	12	5	5	2	1	1	-	-
EVENTS OF UNDETERMINED INTENT	**33**	**27**	**5**	**1**	**16**	**15**	**1**	-	**17**	**12**	**4**	**1**
__(110) DISCHARGE OF FIREARMS, UNDETERMINED INTENT	1	1	-	-	1	1	-	-	-	-	-	-
__(111) OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	32	26	5	1	15	14	1	-	17	12	4	1

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES

TABLE D-3

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2004*

ICD-09			810-825		800-807 826-849		303		140-208	
ICD-10			see footnotes for codes		see footnotes for codes		F10-F10 9 G31 2		C00-C97 9	
YEAR	ACCIDENTS						ALCOHOLISM		MALIGNANT NEOPLASMS (CANCER)	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	514	136 7	5	1 3	509	135 4	56	14 9	157	41 7
1915	556	118 8	31	6 6	525	112 2	66	14 1	223	47 6
1920	473	86 3	45	8 2	428	78 1	10	1 8	282	51 4
1925	505	93 0	98	18 1	407	75 0	41	7 6	379	69 8
1930	498	92 6	106	19 7	392	72 9	69	12 8	424	78 9
1935	552	100 5	161	29 3	391	71 2	14	2 5	528	96 2
1940	539	96 3	154	27 5	385	68 8	41	7 3	640	114 4
1945	498	98 7	118	23 4	380	75 3	13	2 6	658	130 4
1946	517	99 1	166	31 8	351	67.3	15	2 9	662	126 8
1947	537	99 6	157	29 1	380	70 5	19	3 5	712	132 0
1948	575	103 3	165	29 6	410	73 7	14	2 5	724	130 1
1949	552	96 2	152	26 5	400	69 7	17	3 0	729	127 0
1950	545	92 2	190	32 1	355	60 1	14	2 4	733	124 0
1951	525	88 1	187	31 4	338	56 7	17	2 9	726	121 8
1952	564	93 7	235	39 0	329	54 7	13	2 2	798	132 6
1953	534	86 7	228	37 0	306	49 7	17	2 8	809	131 3
1954	531	85 1	219	35 1	312	50 0	19	3 0	868	139 1
1955	549	86 3	239	37 6	310	48 7	28	4 4	829	130 3
1956	574	87.5	265	40 4	309	47 1	22	3 4	932	142 1
1957	541	81 1	219	32 8	322	48 3	20	3 0	877	131 5
1958	497	74 6	206	30 9	291	43.7	18	2 7	859	129 0
1959	565	84 5	258	38 6	307	45 9	15	2 2	920	137 5
1960	510	75 6	226	33 5	284	42 1	13	1 9	958	142 0
1961	518	76.0	270	39 6	248	36 4	18	2 6	965	141 5
1962	550	77 6	232	32 7	318	44 9	19	2 7	911	128 5
1963	517	73.1	218	30 8	299	42 3	12	1 7	896	126 7
1964	648	91 9	250	35 5	398	56.5	13	1 8	986	139 9
1965	591	83 7	268	38 0	323	45 8	14	2 0	933	132 2
1966	560	79 8	265	37 7	295	42 0	24	3 4	969	138 0
1967	607	86 6	318	45 4	289	41 2	12	1 7	1,001	142 8
1968	535	77.2	262	37 8	273	39 4	29	4 2	1,080	155 8
1969	635	91.5	329	47 4	306	44 1	10	1 4	1,041	150 0
1970	571	82 2	290	41 8	281	40 5	25	3 6	1,059	152 5
1971	609	85 8	310	43 7	299	42 1	19	2 7	1,051	148 0
1972	635	88 3	360	50 1	275	38 2	17	2 4	1,122	156 1
1973	611	84 7	324	44 9	287	39 8	20	2 8	1,061	147 2
1974	559	76 1	272	37 0	287	39 0	14	1 9	1,130	153.7
1975	584	78.1	282	37 7	302	40 4	28	3 7	1,105	147 7
1976	579	76 9	291	38 6	288	38 2	23	3 1	1,191	156 2
1977	574	75 4	302	39 7	272	35 7	25	3 3	1,184	155 6
1978	558	71.1	276	35 2	282	35 9	23	2 9	1,233	157 1
1979	596	75 8	313	39 8	283	36 0	22	2 8	1,240	157 8
1980	570	72 5	311	39 5	259	32 9	25	3 2	1,291	164 1
1981	553	69 7	308	38 8	245	30 9	32	4 0	1,343	169 4
1982	471	58 8	236	29 5	235	29 3	30	3 7	1,384	172 8
1983	516	63 2	267	32 7	249	30 5	16	2 0	1,350	165 2
1984	440	53 4	233	28 3	207	25 1	18	2 2	1,467	178.0
1985	417	50 5	210	25 4	207	25 1	20	2 4	1,445	174 9
1986	403	49 2	226	27 8	175	21 4	27	3 3	1,475	180 1
1987	416	51 4	223	27 6	193	23 9	22	2 7	1,516	187 4
1988	368	45 7	200	24 8	168	20 9	22	2 7	1,561	193 9
1989	360	44.7	171	21 2	189	23 5	16	2 0	1,593	197 7
1990	398	49 8	210	26 3	188	23 5	21	2 6	1,630	204 0
1991	384	47 5	183	22 6	201	24 9	19	2 4	1,656	205 0
1992	399	48 4	182	22 1	217	26 3	29	3 5	1,710	207 6
1993	375	44 7	182	21 7	193	23 0	26	3 1	1,738	207 2
1994	391	45 7	192	22 4	199	23 2	31	3 6	1,740	203 2
1995	374	43 0	191	21 9	183	21.0	21	2 4	1,765	202 8
1996	396	45 0	191	21 7	205	23 3	23	2 6	1,782	200 4
1997	443	50 4	230	26 2	213	24 2	18	2 0	1,779	202 4
1998	463	52 6	219	24 9	244	27 7	34	3 9	1,816	206 3
1999	461	52 2	191	21 6	270	30 6	22	2 5	1,845	209 0
2000	484	53 6	226	25 3	256	28 4	29	3 2	1,861	206 3
2001	468	51 7	209	23.1	259	28 6	35	3 9	1,952	215 8
2002	523	57 5	250	27 5	273	30 0	30	3 3	1,901	209 0
2003	515	56 1	257	28 0	258	28 1	39	4 3	1,838	200 3
2004	529	58 6	237	26 2	292	32 3	32	3 5	1,856	205 6

*DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
+ PER 100,000 ESTIMATED MIDYEAR POPULATION U S CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

MOTOR VEHICLE ACCIDENT ICD-10 CODES: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

ACCIDENTS BY OTHER MEANS ICD-10 CODES: V01, V05-V06, V09.1, V09.3-V11, V16-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.3-X59, Y85-Y86

TABLE D-3 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2004*

ICD-09	250		390-398 402, 409 410-429		960-969		580-589		480-486		950-959	
ICD-10	E10-C14 9		I00-I09 9, I11, I13, I120-I51		X85-Y09 9 Y87 1		N00-N07 9 N17-N19 N25-N227		J12-J18		X60-X84 Y87	
YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	38	10 1	257	68.3	37	9 8	222	59 0	282	75.0	81	21 5
1915	65	13 9	407	87 0	53	11 3	339	72 4	511	109 2	103	22 0
1920	60	10.9	428	78 1	46	8 4	273	49 8	576	105 0	86	15 7
1925	64	11 8	672	123 8	51	9 4	301	55 4	437	80 5	102	18 8
1930	87	16 2	759	141 2	57	10 6	395	73 5	425	79 1	136	25.3
1935	112	20 4	1,299	236 6	34	6 2	355	64 7	674	122.8	96	17 5
1940	109	19 5	1,447	256 6	29	5 2	295	52 7	321	57.4	120	21 4
1945	129	25 6	1,603	317.7	19	3 8	279	55 3	196	38 8	79	15 7
1946	137	26 3	1,629	312.1	22	4 2	276	52 9	235	45 0	98	18 8
1947	130	24 1	1,690	313 4	14	2 6	266	49 3	223	41 4	96	17 8
1948	118	21 2	1,803	324 0	15	2 7	247	44 4	189	34 0	88	15 8
1949	102	17.8	2,002	348 9	21	3 7	129	22 5	144	25.1	89	15 5
1950	49	8 3	1,957	331 1	24	4 1	80	13 5	157	26.6	123	20 8
1951	58	9 7	2,159	362 2	15	2 5	85	14 3	121	20.3	85	14 3
1952	83	13 8	2,032	337 5	17	2 8	120	19 9	147	24 4	84	14 0
1953	73	11 9	2,164	351 3	23	3 7	77	12 5	180	29 2	106	17 2
1954	95	15 2	2,128	341 0	29	4 6	90	14 4	179	28.7	104	16 7
1955	108	17 0	2,116	332 7	21	3 3	94	14 8	155	24 4	79	12 4
1956	98	14 9	2,165	330 0	32	4 9	83	12.7	211	32 2	98	14 9
1957	118	17 7	2,290	343 3	23	3 4	71	10 6	248	37.3	105	15.7
1958	109	16 4	2,244	336 9	17	2 6	53	8 0	260	39 0	101	15 2
1959	123	18 4	2,382	356 1	29	4 3	58	8 7	231	34 5	97	14 5
1960	102	15 1	2,332	345 6	25	3.7	51	7 6	227	33 6	107	15 9
1961	117	17 2	2,269	332 7	21	3 1	41	6 0	219	32 1	96	14 1
1962	121	17 1	2,204	310 9	21	3 0	63	8 9	195	27 5	110	15 5
1963	125	17 7	2,340	331.0	22	3 1	42	5 9	218	30 8	115	16 3
1964	139	19 7	2,368	335 9	30	4 3	45	6 4	226	32 1	80	11 3
1965	114	16 1	2,297	325 4	20	2 8	35	5 0	198	28 0	94	13.3
1966	106	15 1	2,415	344 0	23	3 3	42	6 0	230	32 8	96	13 7
1967	143	20 4	2,297	327 7	31	4 4	38	5 4	196	28 0	100	14 3
1968	119	17 2	2,223	320 8	25	3 6	20	2 9	213	30 7	97	14 0
1969	117	16 9	2,297	331 0	31	4 5	21	3 0	201	29 0	91	13 1
1970	111	16 0	2,229	321 0	30	4 3	26	3 7	213	30.7	79	11 4
1971	120	16.9	2,339	329 4	43	6 1	19	2 7	210	29 6	117	16 5
1972	135	18 8	2,294	319 1	32	4 5	17	2 4	220	30 6	87	12.1
1973	126	17 5	2,300	319 0	46	6 4	27	3 7	236	32 7	108	15 0
1974	103	14 0	2,202	299 6	44	6 0	20	2 7	192	26 1	122	16 6
1975	122	16 3	2,178	291 2	42	5 6	19	2 5	185	24 7	112	15.0
1976	100	13 3	2,178	289 2	38	5 0	17	2 3	207	27 5	129	17 1
1977	89	11 7	2,149	282 4	53	7 0	24	3 2	144	18 9	143	18 8
1978	114	14 5	2,169	276 3	40	5 1	20	2 5	199	25 4	122	15 5
1979	94	12 0	2,302	292 9	39	5 0	46	5 9	143	18 2	123	15 6
1980	103	13 1	2,332	296 4	40	5 1	43	5 5	166	21.5	116	14 7
1981	95	12 0	2,279	287 4	47	5 9	70	8 8	171	21 6	137	17 3
1982	115	14 4	2,236	279 2	36	4 5	57	7 1	196	24.5	126	15.7
1983	103	12 6	2,241	274 3	33	4 0	62	7 6	219	26 8	143	17.5
1984	113	13 7	2,270	275 5	37	4 5	57	6 9	204	24 8	137	16 6
1985	123	14 9	2,201	266 5	49	5 9	58	7.0	211	25 5	144	17 4
1986	109	13 3	2,196	268 1	41	5 0	40	4 9	205	25 0	181	22 1
1987	116	14 3	2,109	260 7	39	4 8	60	7 4	192	23.7	159	19.7
1988	154	19 1	2,057	255 5	35	4 3	60	7 5	219	27.2	153	19.0
1989	170	21 1	2,019	250 6	32	4 0	47	5 8	224	27 8	159	19 7
1990	154	19 3	1,947	243 7	35	4 4	48	6 0	213	26.7	167	20 9
1991	181	22 4	1,944	240 6	36	4 5	51	6 3	245	30 3	167	20 7
1992	164	19 9	1,904	231 2	35	4 2	56	6 8	259	31 4	151	18 3
1993	191	22 8	2,110	251 5	39	4 6	59	7 0	249	29 7	154	18 4
1994	215	25 1	1,907	222 7	34	4 0	76	8 9	276	32 2	159	18 6
1995	210	24 1	2,003	230 2	45	5 2	56	6 4	313	36 0	197	22 6
1996	187	21 3	2,131	242 3	37	4 2	81	9 2	238	27 1	174	19 9
1997	169	19 2	2,097	238 6	37	4 2	98	11 2	299	34 0	179	20 4
1998	196	22 3	2,001	227 3	26	3 0	90	10 2	311	35 3	156	17.7
1999	243	27 5	2,034	230 4	32	3 6	93	10 5	213	24 1	161	18 2
2000	226	25 1	1,985	220 0	35	3 9	115	12 7	192	21.3	157	17 4
2001	229	25 3	1,962	216 9	31	3 4	127	14 0	191	21.1	174	19 2
2002	211	23 2	1,931	212 3	23	2 5	104	11 4	247	27 2	182	20.0
2003	263	28 7	1,974	215 1	37	4 0	101	11 0	236	26 0	179	19 5
2004	236	26 1	1,834	203 0	25	2 8	107	11 8	161	17.8	174	19.3

*DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

+PER 100,000 ESTIMATED MIDYEAR POPULATION. U S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE D-4

FREQUENCY OF DEATH FROM SELECTED UNDERLYING CAUSES BY COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY	ICD 9	800-949	540-543	140-208	430-438	250	390-398, 402, 404, 410-429	487	320-322	360-369	580-589	480-486	045, 138	010-018, 137	ALL OTHER CAUSES
	ICD 10	V01-X59, Y85-Y86	K35-K38	C00-C97	I60-I69	E10-E14	I00-I09, I11, I13, I20-I51	J10-J11	G00-G03	A39	N00-N07, N17-N19, N25-N27	J12-J18	A80, B91	A16-A19 B90	
	TOTAL	ACCIDENTS	APPENDICITIS	CANCER	CEREBROVASCULAR DISEASE*	DIABETES	HEART DISEASE	INFLUENZA	MENINGITIS	MENINGOCOCCAL	NEPHRITIS	PNEUMONIA	POLIOMYELITIS	TUBERCULOSIS	
MONTANA TOTAL	9,083	529	-	1,868	484	236	1,834	4	4	-	107	161	2	-	2,864
BEAVERHEAD	77	6	-	16	5	1	20	-	-	-	2	-	-	-	27
BIG HORN	102	12	-	18	5	8	20	-	-	-	3	-	-	-	38
BLAINE	56	2	-	12	2	3	16	-	-	-	1	2	-	-	18
BROADWATER	39	2	-	9	3	1	10	-	-	-	3	1	-	-	10
CARBON	84	8	-	24	7	-	21	-	-	-	-	-	-	-	24
CARTER	13	1	-	1	-	3	1	-	-	-	1	-	-	-	6
CASCADE	743	36	-	175	42	22	159	-	-	-	9	15	-	-	285
CHOUTEAU	57	3	-	11	1	2	9	-	-	-	1	2	-	-	26
CUSTER	134	6	-	28	5	11	27	-	-	-	2	3	-	-	52
DANIELS	24	2	-	4	2	-	7	-	-	-	1	1	-	-	7
DAWSON	108	3	-	32	5	4	19	-	-	-	3	3	-	-	39
DEER LODGE	118	13	-	28	8	1	23	-	-	-	1	3	-	-	41
FALLON	24	2	-	2	-	1	8	-	-	-	2	1	-	-	8
FERGUS	131	2	-	29	18	8	21	-	-	-	1	5	-	-	47
FLATHEAD	717	52	-	172	60	14	161	-	-	-	12	15	-	-	231
GALLATIN	336	29	-	75	22	8	53	1	-	-	4	5	-	-	139
GARFIELD	5	-	-	1	-	2	1	-	-	-	-	1	-	-	-
GLACIER	106	17	-	20	1	12	24	-	-	-	-	2	-	-	30
GOLDEN VALLEY	14	4	-	2	-	1	3	-	-	-	-	-	-	-	4
GRANITE	15	2	-	3	-	-	1	-	-	-	-	-	-	-	9
HILL	157	10	-	30	10	7	40	-	-	-	1	3	-	-	56
JEFFERSON	84	3	-	24	-	2	20	-	-	-	1	1	-	-	33
JUDITH BASIN	14	-	-	2	1	1	5	-	-	-	-	-	-	-	5
LAKE	270	33	-	58	16	2	61	-	-	-	1	11	-	-	88
LEWIS & CLARK	486	21	-	116	24	13	105	2	-	-	7	15	-	-	181
LIBERTY	16	1	-	3	-	-	8	-	-	-	-	-	-	-	4
LINCOLN	186	12	-	51	7	4	45	-	-	-	2	3	1	-	61
MCCONE	11	4	-	2	-	-	3	-	-	-	-	-	-	-	2
MADISON	69	5	-	12	4	1	23	-	-	-	-	1	-	-	23
MEAGHER	19	3	-	2	2	1	4	-	-	-	-	-	-	-	7
MINERAL	39	3	-	8	2	-	8	-	-	-	-	2	1	-	15
MISSOULA	680	38	-	151	45	21	150	-	2	-	6	15	-	-	252
MUSSELSHELL	54	1	-	15	3	2	16	-	-	-	-	-	-	-	17
PARK	139	15	-	38	6	3	23	1	-	-	1	2	-	-	50
PETROLEUM	3	-	-	-	-	-	1	-	-	-	-	-	-	-	2
PHILLIPS	38	2	-	11	2	-	8	-	-	-	-	-	-	-	15
PONDERA	97	15	-	20	4	2	25	-	-	-	1	2	-	-	28
POWDER RIVER	16	2	-	2	-	1	5	-	-	-	-	-	-	-	6
POWELL	73	5	-	20	3	3	16	-	-	-	1	2	-	-	23
PRAIRIE	18	-	-	7	-	-	4	-	-	-	1	-	-	-	6
RAVALLI	334	17	-	84	19	6	69	-	-	-	3	6	-	-	130
RICHLAND	87	8	-	17	5	1	22	-	-	-	-	-	-	-	34
ROOSEVELT	109	10	-	25	8	7	15	-	-	-	1	2	-	-	41
ROSEBUD	72	5	-	23	2	2	17	-	-	-	3	2	-	-	18
SANDERS	109	8	-	27	10	1	24	-	-	-	1	3	-	-	35
SHERIDAN	62	5	-	15	2	4	18	-	-	-	1	3	-	-	14
SILVER BOW	430	29	-	90	22	12	125	-	2	-	4	3	-	-	143
STILLWATER	66	8	-	11	5	2	21	-	-	-	1	2	-	-	16
SWEET GRASS	28	2	-	5	1	-	4	-	-	-	2	1	-	-	11
TETON	56	1	-	11	3	4	16	-	-	-	1	2	-	-	16
TOOLE	54	2	-	9	4	3	12	-	-	-	-	2	-	-	22
TREASURE	5	1	-	1	-	1	1	-	-	-	-	-	-	-	1
VALLEY	90	5	-	20	4	5	27	-	-	-	3	-	-	-	26
WHEATLAND	27	-	-	2	5	2	6	-	-	-	1	1	-	-	10
WIBAUX	23	1	-	3	1	-	8	-	-	-	1	-	-	-	9
YELLOWSTONE	1,160	52	-	279	78	23	274	-	-	-	17	18	-	-	419
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-

*INCLUDES "STROKE."

TABLE D-5

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND YEAR OF DEATH
MONTANA RESIDENTS, 1954-2004

YEAR OF DEATH	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT																	
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER		UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
1954	511	357	67	-	77	94	12	55	46	13	6	28	18	11	25	28	17	17	236	118
1955	458	371	55	-	73	73	13	47	62	18	3	13	17	10	24	27	17	23	221	133
1956	529	403	68	-	73	99	25	75	61	24	6	27	14	15	22	28	19	28	221	127
1957	517	360	63	-	63	110	10	69	53	19	8	19	19	8	23	33	17	27	204	132
1958	474	385	52	2	74	100	12	59	54	21	7	22	17	14	22	26	11	17	197	152
1959	556	364	66	-	71	88	9	84	49	25	8	14	18	13	26	40	25	25	235	124
1960	557	401	78	-	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136
1961	524	441	62	-	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1962	526	383	65	-	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149
1965	546	387	71	-	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1966	571	398	59	-	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131
1967	549	452	66	-	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140
1968	604	476	66	-	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169
1969	619	422	66	-	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1970	598	461	75	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1972	637	485	79	-	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162
1973	580	481	86	-	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1975	629	476	74	-	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1976	684	507	92	-	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151
1977	677	507	81	-	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1979	672	568	99	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167
1980	743	548	91	-	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1981	712	631	109	-	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188
1983	732	618	92	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196
1984	763	704	88	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203
1985	829	616	118	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168
1986	791	684	134	-	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191
1988	831	730	110	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199
1989	880	713	150	-	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1990	863	767	130	-	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1992	927	783	147	-	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1994	975	765	133	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223
1995	918	847	125	-	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229
1996	942	820	125	-	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225
1997	958	821	151	-	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
2000	1,008	853	108	2	130	279	204	106	90	37	17	26	41	30	50	57	43	13	376	250
2001	1,045	907	124	-	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280
2003	961	877	109	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	261
2004	963	895	130	1	138	262	240	80	69	39	16	29	49	37	52	58	55	10	344	249

*Data for this table were coded using six different revisions of the International Classification of Diseases (ICD), which were implemented in the following years: ICD-6 (1949 - 1957); ICD-7 (1958-1967); ICD-8 (1968-1978); ICD-9 (1979-1998); ICD-10 (1999-present).

TABLE D-6

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT								
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	963	895	130	1	138	262	240	80	69	39	16
BEAVERHEAD	8	8	2	-	-	3	3	1	-	-	-
BIG HORN	8	10	2	-	1	2	4	-	1	-	-
BLAINE	6	6	1	-	-	3	-	-	-	-	-
BROADWATER	5	4	1	-	1	1	1	-	-	-	-
CARBON	10	14	-	-	1	2	2	1	4	-	-
CARTER	-	1	-	-	-	-	1	-	-	-	-
CASCADE	88	87	11	-	7	22	31	8	4	3	2
CHOUTEAU	6	5	1	-	1	1	1	1	-	2	-
CUSTER	10	18	1	-	3	1	4	2	2	1	-
DANIELS	3	1	-	-	1	2	-	-	-	-	-
DAWSON	16	16	3	-	-	7	6	1	1	-	-
DEER LODGE	14	14	1	-	6	3	1	-	2	-	-
FALLON	1	1	1	-	-	-	-	-	-	-	-
FERGUS	11	18	1	-	3	3	7	1	-	-	-
FLATHEAD	91	81	12	-	14	21	19	12	4	3	-
GALLATIN	34	41	7	-	8	8	10	5	4	-	-
GARFIELD	1	-	-	-	-	-	-	-	-	-	-
GLACIER	12	8	2	-	-	4	1	-	-	-	-
GOLDEN VALLEY	-	2	-	-	-	-	1	-	-	-	-
GRANITE	2	1	1	-	-	-	-	-	-	-	-
HILL	13	17	-	-	4	4	5	1	1	1	-
JEFFERSON	18	6	3	-	1	6	2	1	-	2	-
JUDITH BASIN	2	-	-	-	-	-	-	1	-	-	-
LAKE	32	26	7	-	3	9	7	4	2	1	2
LEWIS & CLARK	62	56	6	-	6	13	17	4	6	3	2
LIBERTY	1	2	-	-	-	-	-	-	1	-	-
LINCOLN	26	25	5	-	7	10	5	1	1	2	-
MCCONE	2	-	2	-	-	-	-	-	-	-	-
MADISON	4	8	-	-	-	3	1	-	2	-	1
MEAGHER	1	1	-	-	-	1	-	-	-	-	-
MINERAL	5	3	-	-	-	2	2	1	-	-	-
MISSOULA	76	75	11	1	12	17	16	5	5	3	2
MUSSELSHELL	7	8	-	-	1	4	5	-	-	1	-
PARK	20	18	2	-	6	4	6	5	-	1	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	6	5	2	-	1	2	-	1	1	-	-
PONDERA	10	10	-	-	2	4	5	-	-	-	-
POWDER RIVER	-	2	-	-	1	-	-	-	-	-	-
POWELL	15	5	1	-	3	4	1	-	1	1	-
PRAIRIE	3	4	2	-	2	-	1	-	-	-	-
RAVALLI	46	38	8	-	8	11	6	2	2	5	1
RICHLAND	11	6	-	-	-	7	-	1	3	-	-
ROOSEVELT	15	10	-	-	1	4	2	2	2	-	-
ROSEBUD	14	9	2	-	2	4	1	-	1	-	-
SANDERS	19	8	3	-	2	7	2	-	-	1	-
SHERIDAN	12	3	1	-	-	3	-	2	-	-	-
SILVER BOW	47	43	4	-	4	12	16	7	5	2	1
STILLWATER	6	5	1	-	-	-	-	-	-	-	-
SWEET GRASS	2	3	-	-	-	-	-	1	-	-	-
TETON	3	8	-	-	1	1	1	-	-	-	-
TOOLE	7	2	2	-	-	1	1	-	1	-	-
TREASURE	-	1	-	-	-	-	-	-	-	-	-
VALLEY	11	9	2	-	2	2	2	-	2	3	-
WHEATLAND	-	2	-	-	-	-	1	-	1	-	-
WIBAUX	1	2	-	-	1	-	-	-	-	-	-
YELLOWSTONE	140	139	19	-	22	44	43	9	10	4	5
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE D-6 (CONCLUDED)

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY	SITE OF CANCER AND SEX OF DECEDENT								
	UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPNOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	29	49	37	52	58	55	10	344	249
BEAVERHEAD	-	-	2	-	1	1	-	1	2
BIG HORN	-	-	-	-	-	-	-	4	4
BLAINE	-	2	-	-	-	1	1	-	4
BROADWATER	-	1	-	-	-	-	-	2	2
CARBON	1	1	-	1	-	2	-	6	3
CARTER	-	-	-	-	-	-	-	-	-
CASCADE	6	3	3	3	4	4	-	37	27
CHOUTEAU	-	-	-	-	-	-	1	1	2
CUSTER	-	-	3	-	-	-	-	5	6
DANIELS	-	-	-	-	-	-	-	1	-
DAWSON	-	-	-	1	2	1	-	3	7
DEER LODGE	-	1	-	1	-	-	-	9	4
FALLON	-	-	-	-	-	-	-	-	1
FERGUS	2	1	-	2	-	1	-	5	3
FLATHEAD	2	2	4	8	9	4	3	32	23
GALLATIN	1	1	4	2	2	4	1	11	7
GARFIELD	-	-	-	-	-	-	-	1	-
GLACIER	-	1	1	-	-	-	-	5	6
GOLDEN VALLEY	-	-	-	-	-	-	-	-	1
GRANITE	-	-	-	1	-	-	-	1	-
HILL	1	-	-	-	-	1	-	7	5
JEFFERSON	-	1	-	-	1	1	-	4	2
JUDITH BASIN	-	1	-	-	-	-	-	-	-
LAKE	2	-	-	2	2	-	-	9	8
LEWIS & CLARK	-	2	8	1	6	3	1	28	12
LIBERTY	-	-	-	-	-	-	-	1	1
LINCOLN	4	-	1	-	1	1	-	7	6
MCCONE	-	-	-	-	-	-	-	-	-
MADISON	-	-	1	1	-	-	-	1	2
MEAGHER	-	-	-	-	-	-	-	-	1
MINERAL	-	-	-	1	1	-	-	1	-
MISSOULA	6	10	3	8	3	6	-	26	17
MUSSELSHELL	-	1	-	1	-	-	-	1	1
PARK	-	1	-	-	1	1	1	6	4
PETROLEUM	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	1	-	-	-	-	1	2
PONDERA	-	-	-	-	1	-	-	5	3
POWDER RIVER	-	-	-	-	-	-	-	-	1
POWELL	-	2	-	-	1	-	-	6	-
PRAIRIE	-	-	-	-	-	-	-	1	1
RAVALLI	1	2	2	1	3	6	1	15	10
RICHLAND	-	-	-	-	-	1	-	3	2
ROOSEVELT	-	1	-	1	1	-	-	7	4
ROSEBUD	1	1	-	1	-	-	-	7	3
SANDERS	-	3	-	1	1	1	-	4	2
SHERIDAN	-	1	1	1	-	-	-	5	1
SILVER BOW	-	2	-	1	3	4	-	17	12
STILLWATER	-	1	-	2	3	1	-	1	2
SWEET GRASS	-	-	-	-	-	-	-	1	3
TETON	-	-	-	-	1	-	1	1	5
TOOLE	-	-	-	-	-	-	-	4	-
TREASURE	-	-	-	-	-	-	-	-	1
VALLEY	-	-	1	-	1	1	-	3	1
WHEATLAND	-	-	-	-	-	-	-	-	-
WIBAUX	1	1	-	-	-	-	-	-	-
YELLOWSTONE	1	6	2	11	10	10	-	48	35
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-

TABLE D-7

FREQUENCY OF INFANT DEATH BY RACE*, AOE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2004

CAUSE OF DEATH**	TOTAL UNDER 1 YEAR				LESS THAN 8 DAYS				8 TO 28 DAYS				29 DAYS TO LESS THAN 1 YEAR			
	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE
ALL CAUSES	53	39	9	5	26	19	6	1	4	2	1	1	23	18	2	3
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
__(32#) ALL OTHER ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
DISEASES OF THE NERVOUS SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
__(33#) MENINGITIS	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
(#) DISEASES OF THE CIRCULATORY SYSTEM	2	-	2	-	-	-	-	-	1	-	1	-	1	-	1	-
____(41#) CARDIOMYOPATHY	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-	-
____(44#) ALL OTHER DISEASES OF CIRCULATORY SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
DISEASES OF THE RESPIRATORY SYSTEM	3	3	-	-	-	-	-	-	-	-	-	-	3	3	-	-
____(#) INFLUENZA AND PNEUMONIA	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
____(47#) PNEUMONIA	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
____(52) OTHER AND UNSPECIFIED DISEASES OF RESPIRATORY SYSTEM	2	2	-	-	-	-	-	-	-	-	-	-	2	2	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	20	14	5	1	18	12	5	1	2	2	-	-	-	-	-	-
NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	9	6	2	1	9	6	2	1	-	-	-	-	-	-	-	-
__(#) NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	6	5	-	1	6	5	-	1	-	-	-	-	-	-	-	-
__(60) NEWBORN AFFECTED BY INCOMPETENT CERVIX	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
__(61) NEWBORN AFFECTED BY PREMATURE RUPTURE OF MEMBRANES	4	3	-	1	4	3	-	1	-	-	-	-	-	-	-	-
__(#) NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	3	1	2	-	3	1	2	-	-	-	-	-	-	-	-	-
__(64) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING PLACENTA	2	1	1	-	2	1	1	-	-	-	-	-	-	-	-	-
DISORDERS RELATED TO LENGTH OF GESTATION AND FETAL MALNUTRITION	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
__(71) EXTREAMLY LOW BIRTH WEIGHT OR EXTREAM IMMATURITY	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
(#) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
__(76) BIRTH ASPHYXIA	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-
__(81#) PULMONARY HEMORAGE ORIGINATING IN THE PERINATAL PERIOD	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	1	1	-	1	-	1	-	1	1	-	-	-	-	-	-
__(85#) BACTERIAL SEPSIS OF THE NEWBORN	2	1	1	-	1	-	1	-	1	1	-	-	-	-	-	-
HEMORRHAGIC AND HEMATOLOGICAL DISORDERS OF THE NEWBORN	3	2	1	-	3	2	1	-	-	-	-	-	-	-	-	-
__(88#) NEONATAL HEMORAGE	3	2	1	-	3	2	1	-	-	-	-	-	-	-	-	-
__(93#) NECROTIZING ENTERCOLITIS OF NEWBORN	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-
__(95) OTHER PERINATAL CONDITIONS	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
(#) CONGENITAL MALFORMATIONS, DEFORMATIES AND CHROMOSOMAL ABNORMALITIES	13	12	1	-	8	7	1	-	-	-	-	-	5	5	-	-
__(96) ANENCEPHALY AND SIMILAR MALFORMATION	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
__(99) OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	3	3	-	-	1	1	-	-	-	-	-	-	2	2	-	-
__(100) CONGENITAL MALFORMATIONS OF THE HEART	3	3	-	-	-	-	-	-	-	-	-	-	3	3	-	-
__(102) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
__(104) CONGENITAL MALFORMATIONS OF GENITOURINARY SYSTEM	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-
__(107) EDWARD'S SYNDROME	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-
__(109) OTHER CONGENITAL MALFORMATIONS AND DEFORMATIONS	2	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-
SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSE WHERE CLASSIFIED	10	7	1	2	-	-	-	-	1	-	-	1	9	7	1	1
__(111#) SUDDEN INFANT DEATH SYNDROME	5	2	1	2	-	-	-	-	1	-	-	1	4	2	1	1
EXTERNAL CAUSES OF MORTALITY	2	1	-	1	-	-	-	-	-	-	-	-	2	1	-	1
(#) ACCIDENTS	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
TRANSPORT ACCIDENTS	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
__(114) MOTOR VEHICLE ACCIDENTS	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1
__(128) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
__(130) OTHER EXTERNAL CAUSES AND THEIR SEQUELAE	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
**LIST OF 130 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 4. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES

TABLE D-8

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND COUNTY OF RESIDENCE
FIVE-YEAR INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2004

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 28 DAYS			29 DAYS TO 1 YEAR			INFANT MORTALITY RATE+ 2000-2004		
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	DEATHS	BIRTHS	RATE
MONTANA TOTAL	53	39	14	26	19	7	4	2	2	23	18	5	347	55,836	
BEAVERHEAD	-	-	-	-	-	-	-	-	-	-	-	-	2	451	
BIG HORN	1	-	1	-	-	-	1	-	1	-	-	-	8	1,301	
BLAINE	1	-	1	-	-	-	-	-	-	1	-	1	2	541	
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-	1	173	
CARBON	-	-	-	-	-	-	-	-	-	-	-	-	2	439	
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	37	
CASCADE	6	6	-	5	5	-	-	-	-	1	1	-	41	5,424	
CHOUTEAU	1	1	-	1	1	-	-	-	-	-	-	-	1	218	
CUSTER	1	1	-	-	-	-	-	-	-	1	1	-	5	667	
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-	1	71	1
DAWSON	1	1	-	-	-	-	-	-	-	1	1	-	3	449	
DEER LODGE	1	1	-	-	-	-	-	-	-	1	1	-	4	414	
FALLON	-	-	-	-	-	-	-	-	-	-	-	-	1	134	
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-	4	524	
FLATHEAD	7	7	-	3	3	-	1	1	-	3	3	-	28	4,962	
GALLATIN	4	3	1	1	1	-	1	1	-	2	1	1	26	4,577	
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	80	
GLACIER	1	-	1	-	-	-	-	-	-	1	-	1	10	1,296	
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	57	
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	1	101	
HILL	2	-	2	2	-	2	-	-	-	-	-	-	9	1,301	
JEFFERSON	2	2	-	-	-	-	-	-	-	2	2	-	3	462	
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	83	
LAKE	1	-	1	-	-	-	-	-	-	1	-	1	18	1,818	
LEWIS & CLARK	5	5	-	2	2	-	-	-	-	3	3	-	23	3,366	
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-	1	81	
LINCOLN	1	1	-	-	-	-	-	-	-	1	1	-	8	910	
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	67	
MADISON	-	-	-	-	-	-	-	-	-	-	-	-	-	253	
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-	2	108	
MINERAL	1	1	-	1	1	-	-	-	-	-	-	-	4	206	
MISSOULA	5	5	-	3	3	-	-	-	-	2	2	-	30	5,732	
MUSSELSHELL	1	1	-	1	1	-	-	-	-	-	-	-	2	233	
PARK	-	-	-	-	-	-	-	-	-	-	-	-	3	804	
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	20	
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-	2	207	
PONDERA	-	-	-	-	-	-	-	-	-	-	-	-	2	357	
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	67	
POWELL	-	-	-	-	-	-	-	-	-	-	-	-	2	273	
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	42	
RAVALLI	-	-	-	-	-	-	-	-	-	-	-	-	12	2,058	
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	469	
ROOSEVELT	3	-	3	3	-	3	-	-	-	-	-	-	10	1,034	
ROSEBUD	2	-	2	1	-	1	-	-	-	1	-	1	8	823	
SANDERS	-	-	-	-	-	-	-	-	-	-	-	-	5	502	
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	-	108	
SILVER BOW	2	1	1	-	-	-	1	-	1	1	1	-	7	1,893	
STILLWATER	-	-	-	-	-	-	-	-	-	-	-	-	1	460	
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-	2	185	
TETON	-	-	-	-	-	-	-	-	-	-	-	-	1	311	
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	251	
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	21	
VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	3	422	
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	105	
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	35	
YELLOWSTONE	4	3	1	3	2	1	-	-	-	1	1	-	47	8,848	
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	5	

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
+ PER 1,000 LIVE BIRTHS.

TABLE D-9

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2004

ICD-9	051		032		487		055		036	
ICD-10	A05		A36		J10-J11		B05		A39	
YEAR	BOTULISM+		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910		-	61	16 2	24	6 4	16	4 3	1	0 3
1915	5	1.1	21	4 5	41	8 8	7	1 5	7	1 5
1920	4	0 7	32	5 8	304	55 4	27	4 9	15	2 7
1925	6	1 1	34	6 3	109	20 1	5	0 9	5	0 9
1930	7	1 3	4	0.7	102	19 0	12	2 2	22	4 1
1935	3	0 5	14	2 5	173	31.5	49	8 9	15	2 7
1940	2	0 4	6	1 1	77	13 8	5	0 9	6	1 1
1945	1	0 2	4	0 8	47	9 3	1	0 2	3	0 6
1946	1	0 2	5	1 0	25	4 8	3	0 6	3	0 6
1947	1	0 2	2	0 4	33	6 1	13	2 4	3	0 6
1948	3	0 5	3	0 5	13	2 3	12	2 2	1	0 2
1949	2	0 3	3	0 5	13	2 3	3	0 5	3	0 5
1950	-	-	2	0 3	23	3 9	-	-	1	0 2
1951	2	0 3	-	-	30	5 0	9	1 5	5	0 8
1952	-	-	1	0 2	22	3.7	4	0 7	4	0 7
1953	-	-	3	0 5	59	9 6	4	0 6	2	0 3
1954	-	-	3	0 5	6	1 0	5	0 8	6	1.0
1955	-	-	1	0 2	12	1.9	4	0 6	5	0 8
1956	-	-	1	0 2	4	0 6	1	0 2	7	1 1
1957	-	-	1	0.1	25	3 7	3	0 4	3	0 4
1958	-	-	-	-	14	2 1	2	0 3	4	0 6
1959	-	-	-	-	15	2 2	5	0 7	3	0 4
1960	-	-	-	-	37	5 5	1	0 1	3	0 4
1961	-	-	-	-	8	1.2	1	0.1	1	0 1
1962	-	-	-	-	12	1 7	-	-	4	0 6
1963	-	-	-	-	31	4 4	-	-	3	0 4
1964	1	0 1	-	-	29	4 1	2	0 3	2	0 3
1965	-	-	-	-	5	0 7	-	-	3	0 4
1966	1	0 1	-	-	49	7 0	-	-	2	0 3
1967	-	-	-	-	3	0 4	-	-	2	0 3
1968	-	-	-	-	30	4 3	-	-	2	0 3
1969	-	-	-	-	38	5 5	2	0 3	2	0 3
1970	-	-	2	0.3	8	1 2	-	-	1	0 1
1971	-	-	-	-	9	1.3	2	0 3	2	0 3
1972	-	-	-	-	15	2 1	-	-	2	0 3
1973	-	-	-	-	43	6 0	-	-	2	0 3
1974	-	-	-	-	11	1 5	-	-	1	0 1
1975	-	-	-	-	17	2.3	-	-	-	-
1976	-	-	-	-	95	12 6	-	-	-	-
1977	-	-	-	-	9	1 2	-	-	2	0 3
1978	-	-	-	-	19	2 4	-	-	2	0 3
1979	-	-	-	-	4	0.5	-	-	4	0 5
1980	-	-	-	-	24	3 1	-	-	-	-
1981	1	0 1	-	-	10	1 3	-	-	1	0 1
1982	-	-	-	-	8	1 0	-	-	1	0 1
1983	-	-	-	-	26	3 2	-	-	1	0 1
1984	-	-	-	-	19	2 3	-	-	-	-
1985	-	-	-	-	24	2 9	-	-	3	0 4
1986	-	-	-	-	24	2 9	-	-	-	-
1987	-	-	-	-	9	1 1	-	-	-	-
1988	-	-	-	-	21	2 6	-	-	-	-
1989	-	-	-	-	19	2 4	-	-	-	-
1990	-	-	-	-	15	1.9	-	-	2	0 3
1991	-	-	-	-	7	0.9	-	-	-	-
1992	-	-	-	-	7	0 8	-	-	-	-
1993	-	-	-	-	13	1 5	-	-	-	-
1994	-	-	-	-	15	1 8	-	-	1	0 1
1995	-	-	-	-	6	0 7	-	-	1	0 1
1996	-	-	-	-	11	1 3	-	-	2	0 2
1997	-	-	-	-	-	-	-	-	-	-
1998	-	-	-	-	60	8 8	-	-	-	-
1999	-	-	-	-	35	4 0	-	-	1	0 1
2000	-	-	-	-	10	1 1	-	-	-	-
2001	-	-	-	-	3	0 3	-	-	2	0 2
2002	-	-	-	-	7	0 8	-	-	-	-
2003	-	-	-	-	18	2 0	-	-	-	-
2004	-	-	-	-	4	0 4	-	-	-	-

* DATA FOR 1930-46 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."

** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2004

ICD-9	045 138		082.0		137 010-018		002.0		033	
ICD-10	A80		A77		A16-A19		A010		A37	
YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER+		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	17	4.5	-	-	340	90.4	151	40.2	41	10.9
1915	1	0.2	8	1.7	530	113.2	57	12.2	36	7.7
1920	5	0.9	7	1.3	419	76.4	27	4.9	51	9.3
1925	6	1.1	11	2.0	396	73.0	24	4.4	63	11.6
1930	6	1.1	9	1.7	337	62.7	16	3.0	16	3.0
1935	1	0.2	21	3.8	257	46.8	12	2.2	22	4.0
1940	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1945	10	2.0	1	0.2	171	33.9	2	0.4	2	0.4
1946	5	1.0	5	1.0	164	31.4	2	0.4	2	0.4
1947	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	6	1.1	1	0.2	146	26.2	-	-	6	1.1
1949	13	2.3	-	-	109	19.0	1	0.2	2	0.3
1950	3	0.5	1	0.2	114	19.3	-	-	10	1.7
1951	6	1.0	-	-	85	14.3	1	0.2	1	0.2
1952	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	14	2.3	-	-	77	12.5	-	-	4	0.6
1954	9	1.4	-	-	62	9.9	-	-	1	0.2
1955	8	1.3	-	-	50	7.9	-	-	1	0.2
1956	-	-	-	-	48	7.3	-	-	1	0.2
1957	2	0.3	-	-	68	10.2	-	-	2	0.3
1958	5	0.8	-	-	45	6.8	-	-	-	-
1959	2	0.3	-	-	37	5.5	-	-	-	-
1960	7	1.0	1	0.1	31	4.6	-	-	1	0.1
1961	1	0.1	-	-	24	3.5	1	0.1	-	-
1962	-	-	-	-	32	4.5	-	-	-	-
1963	-	-	-	-	27	3.8	-	-	-	-
1964	-	-	-	-	28	4.0	1	0.1	-	-
1965	-	-	-	-	22	3.1	-	-	-	-
1966	-	-	-	-	21	3.0	-	-	-	-
1967	-	-	-	-	17	2.4	-	-	-	-
1968	1	0.1	-	-	15	2.2	-	-	-	-
1969	-	-	-	-	16	2.3	-	-	-	-
1970	-	-	-	-	12	1.7	-	-	-	-
1971	1	0.1	-	-	10	1.4	-	-	1	0.1
1972	-	-	-	-	11	1.5	-	-	-	-
1973	-	-	-	-	13	1.8	-	-	-	-
1974	1	0.1	-	-	17	2.3	-	-	-	-
1975	1	0.1	1	0.1	13	1.7	-	-	-	-
1976	-	-	-	-	9	1.2	-	-	-	-
1977	-	-	-	-	4	0.5	-	-	-	-
1978	1	0.1	-	-	11	1.4	-	-	-	-
1979	-	-	-	-	5	0.6	-	-	-	-
1980	-	-	-	-	6	0.8	-	-	-	-
1981	-	-	-	-	7	0.9	-	-	-	-
1982	-	-	-	-	7	0.9	-	-	-	-
1983	1	0.1	-	-	1	0.1	-	-	-	-
1984	2	0.2	-	-	10	1.2	-	-	-	-
1985	-	-	-	-	5	0.6	-	-	1	0.1
1986	-	-	-	-	5	0.6	-	-	-	-
1987	-	-	-	-	4	0.5	-	-	-	-
1988	1	0.1	-	-	2	0.2	-	-	-	-
1989	2	0.2	-	-	5	0.6	-	-	-	-
1990	-	-	-	-	2	0.3	-	-	-	-
1991	1	0.1	-	-	4	0.5	-	-	-	-
1992	1	0.1	-	-	4	0.5	-	-	-	-
1993	-	-	-	-	2	0.2	-	-	-	-
1994	-	-	-	-	6	0.7	-	-	-	-
1995	2	0.2	-	-	2	0.2	-	-	-	-
1996	2	0.2	-	-	1	0.1	-	-	1	0.1
1997	-	-	-	-	-	-	-	-	-	-
1998	1	0.1	-	-	4	0.5	-	-	-	-
1999	-	-	-	-	3	0.3	-	-	-	-
2000	-	-	-	-	2	0.2	-	-	-	-
2001	1	0.1	-	-	3	0.3	-	-	-	-
2002	1	0.1	-	-	-	-	-	-	-	-
2003	2	0.2	-	-	1	0.1	-	-	-	-
2004	2	0.2	-	-	-	-	-	-	-	-

* DATA FOR 1930-46 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.

** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE F-1

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH**	ALL GESTATIONAL AGES						LESS THAN 23 WEEKS					
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED
All causes	40	14	4	15	6	1	8	3	-	4	-	1
__Certain conditions onginating in the perinatal penod	39	14	4	14	6	1	7	3	-	3	-	1
____(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	3	-	-	1	2	-	-	-	-	-	-	-
_____(20) Fetus affected by other maternal circulatory and respiratory diseases	1	-	-	-	1	-	-	-	-	-	-	-
_____(22) Fetus affected by maternal injury	2	-	-	1	1	-	-	-	-	-	-	-
____(#) Fetus affected by maternal complications of pregnancy	3	2	-	1	-	-	2	2	-	-	-	-
_____(27) Fetus affected by premature rupture of membranes	2	2	-	-	-	-	2	2	-	-	-	-
_____(29) Fetus affected by polyhydramnios	1	-	-	1	-	-	-	-	-	-	-	-
____(#) Fetus affected by complications of placenta, cord and membranes	19	5	-	10	3	1	5	1	-	3	-	1
_____(36) Fetus affected by other forms of placental separation and hemorrhage	6	2	-	2	2	-	1	-	-	1	-	-
_____(39) Fetus affected by prolapsed cord	1	-	-	1	-	-	-	-	-	-	-	-
_____(40) Fetus affected by other compression of umbilical cord	10	3	-	5	1	1	3	1	-	1	-	1
_____(41) Fetus affected by other and unspecified conditions of umbilical cord	1	-	-	1	-	-	-	-	-	-	-	-
_____(42) Fetus affected by chorioamnionitis	1	-	-	1	-	-	1	-	-	1	-	-
____(#) Birth trauma	1	1	-	-	-	-	-	-	-	-	-	-
_____(58) Intracranial laceration and hemorrhage due to birth injury and other injunes to central nervous system	1	1	-	-	-	-	-	-	-	-	-	-
____Other conditions onginating in the perinatal penod	9	4	3	1	1	-	-	-	-	-	-	-
_____(88#) Fetal death of unspecified cause	9	4	3	1	1	-	-	-	-	-	-	-
__(#) Congenital malformations, deformations and chromosomal abnormalities	1	-	-	1	-	-	1	-	-	1	-	-
____Chromosomal abnormalities, not elsewhere classified	1	-	-	1	-	-	1	-	-	1	-	-
_____(119) Other chromosomal abnormalities, not elsewhere classified	1	-	-	1	-	-	1	-	-	1	-	-
All other causes	4	2	1	1	-	-	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPONO TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE F-1 (CONCLUDED)

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2004

CAUSE OF DEATH**	23 TO 33 WEEKS						34 WEEKS OR MORE					
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	SEX OTHER FEMALE	NOT STATED	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED
All causes	18	4	3	5	6	-	14	7	1	6	-	-
__Certain conditions originating in the perinatal period	18	4	3	5	6	-	14	7	1	6	-	-
____(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	3	-	-	1	2	-	-	-	-	-	-	-
_____(20) Fetus affected by other maternal circulatory and respiratory diseases	1	-	-	-	1	-	-	-	-	-	-	-
_____(22) Fetus affected by maternal injury	2	-	-	1	1	-	-	-	-	-	-	-
____(#) Fetus affected by maternal complications of pregnancy	-	-	-	-	-	-	1	-	-	1	-	-
_____(27) Fetus affected by premature rupture of membranes	-	-	-	-	-	-	-	-	-	-	-	-
_____(29) Fetus affected by polyhydramnios	-	-	-	-	-	-	1	-	-	1	-	-
____(#) Fetus affected by complications of placenta, cord and membranes	8	1	-	4	3	-	6	3	-	3	-	-
_____(36) Fetus affected by other forms of placental separation and hemorrhage	3	1	-	-	2	-	2	1	-	1	-	-
_____(39) Fetus affected by prolapsed cord	1	-	-	1	-	-	-	-	-	-	-	-
_____(40) Fetus affected by other compression of umbilical cord	4	-	-	3	1	-	3	2	-	1	-	-
_____(41) Fetus affected by other and unspecified conditions of umbilical cord	-	-	-	-	-	-	1	-	-	1	-	-
_____(42) Fetus affected by chorioamnionitis	-	-	-	-	-	-	-	-	-	-	-	-
____(#) Birth trauma	1	1	-	-	-	-	-	-	-	-	-	-
_____(58) Intracranial laceration and hemorrhage due to birth injury and other injuries to central nervous system	1	1	-	-	-	-	-	-	-	-	-	-
____Other conditions originating in the perinatal period	5	2	2	-	1	-	4	2	1	1	-	-
_____(88#) Fetal death of unspecified cause	5	2	2	-	1	-	4	2	1	1	-	-
__(#) Congenital malformations, deformations and chromosomal abnormalities	-	-	-	-	-	-	-	-	-	-	-	-
____Chromosomal abnormalities, not elsewhere classified	-	-	-	-	-	-	-	-	-	-	-	-
_____(119) Other chromosomal abnormalities, not elsewhere classified	-	-	-	-	-	-	-	-	-	-	-	-
All other causes	1	-	1	-	-	-	3	2	-	1	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE A-1

FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS AND NUMBER OF PREVIOUS PREGNANCIES MONTANA OCCURRENCES, 2004

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,256	1,407	566	181	66	24	6	6	-
NONE	762	762	-	-	-	-	-	-	-
ONE	468	249	219	-	-	-	-	-	-
TWO	379	209	126	44	-	-	-	-	-
THREE	283	109	114	52	8	-	-	-	-
FOUR	158	38	66	33	17	4	-	-	-
FIVE	108	27	23	28	19	9	2	-	-
SIX	50	8	7	17	13	4	-	1	-
SEVEN	22	2	6	5	5	3	-	1	-
EIGHT	14	2	2	1	3	3	1	2	-
NINE OR MORE	12	1	3	1	1	1	3	2	-
NOT STATED	-	-	-	-	-	-	-	-	-

TABLE A-2

FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT
MONTANA OCCURRENCES, 2004

PATIENT'S AGE	NUMBER
MONTANA TOTAL	2,256
UNDER 12	-
12-14	9
15-17	178
18-19	265
20-24	786
25-29	483
30-34	250
35-39	183
40-44	93
45 AND OVER	8
NOT STATED	1

TABLE A-3

REQUENCY OF INDUCED ABORTION BY COMPLETED WEEKS OF GESTATION AND BY PRIMARY PROCEDURE*
MONTANA OCCURRENCES, 2004

PRIMARY PROCEDURE *	TOTAL	LENGTH OF GESTATION IN WEEKS							
		9 OR FEWER	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT STATED
TOTAL	2,256	1,416	368	202	86	60	73	51	-
DILATION AND EVACUATION (D&E)	176	-	-	1	18	41	68	48	-
NTRA-UT PROSTAG	-	-	-	-	-	-	-	-	-
SHARP CURRETTAGE	2	1	-	-	-	-	1	-	-
SUCTION CURRETTAGE	1,959	1,299	368	201	68	18	3	2	-
NOT STATED	-	-	-	-	-	-	-	-	-
OTHER	119	116	-	-	-	1	1	1	-

' THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."

TABLE A-4

FREQUENCY OF INDUCED ABORTION BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE
MONTANA, 2004

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BEAVERHEAD	17	-	PONDERA	2	-
BIG HORN	21	-	POWDER RIVER	-	-
BLAINE	6	-	POWELL	12	-
BROADWATER	6	-	PRAIRIE	1	-
CARBON	20	-	RAVALLI	41	-
CARTER	3	-	RICHLAND	14	-
CASCADE	184	142	ROOSEVELT	23	-
CHOUTEAU	2	-	ROSEBUD	18	-
CUSTER	17	-	SANDERS	11	-
DANIELS	1	-	SHERIDAN	1	-
DAWSON	10	-	SILVER BOW	70	-
DEER LODGE	14	-	STILLWATER	14	-
FALLON	3	-	SWEET GRASS	6	-
FERGUS	14	-	TETON	4	-
FLATHEAD	224	331	TOOLE	5	-
GALLATIN	216	-	TREASURE	3	-
GARFIELD	-	-	VALLEY	7	-
GLACIER	41	-	WHEATLAND	3	-
GOLDEN VALLEY	1	-	WIBAUX	-	-
GRANITE	2	-	YELLOWSTONE	352	756
HILL	24	-	NOT STATED	9	-
JEFFERSON	13	-			
JUDITH BASIN	5	-	TOTAL, MONTANA	2,061	2,256
LAKE	48	-	RESIDENTS		
LEWIS & CLARK	135	246	OUT OF STATE		
LIBERTY	1	-	RESIDENTS		
LINCOLN	20	-	IDAHO	19	NA
MCCONE	-	-	NORTH DAKOTA	14	NA
MADISON	12	-	SOUTH DAKOTA	15	NA
MEAGHER	4	-	WYOMING	137	NA
MINERAL	9	-	OTHER STATES	8	NA
MISSOULA	354	781			
MUSSELSHELL	4	-	CANADA	2	NA
PARK	28	-	REST OF WORLD	-	NA
PETROLEUM	-	-	NOT STATED	-	NA
PHILLIPS	6	-			
			TOTAL	2,256	NA

TABLE M-1

FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURRENCE
MONTANA OCCURRENCES, 2004

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	6,946	100.0	JULY	1,181	17.0
			AUGUST	1,003	14.4
JANUARY	277	4.0	SEPTEMBER	719	10.4
FEBRUARY	342	4.9	OCTOBER	443	6.4
MARCH	286	4.1	NOVEMBER	345	5.0
APRIL	367	5.3	DECEMBER	407	5.9
MAY	623	9.0			
JUNE	953	13.7	NOT STATED	-	-

TABLE M-2

FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND
BY PREVIOUS MARTIAL STATUS AND AGE OF GROOM
MONTANA OCCURRENCES, 2004

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	6,946	4,458	230	2,248	10	6,946	4,525	198	2,216	7
UNDER 15	-	-	-	-	-	-	-	-	-	-
15-19	548	544	-	4	-	199	199	-	-	-
20-24	2,096	2,005	1	89	1	1,679	1,633	-	44	2
25-29	1,499	1,200	9	289	1	1,613	1,421	3	188	1
30-34	801	398	13	388	2	1,017	712	3	302	-
35-39	558	178	10	370	-	624	275	5	343	1
40-44	443	67	15	361	-	546	148	10	388	-
45-49	430	38	34	357	1	410	64	9	337	-
50-54	243	15	28	200	-	330	41	19	270	-
55-59	133	7	16	110	-	221	19	29	172	1
60-64	85	3	27	54	1	120	6	27	87	-
65-69	59	3	35	21	-	82	4	25	53	-
70-74	20	-	17	3	-	49	-	31	18	-
75 AND OVER	26	-	25	1	-	53	3	37	13	-
NOT STATED	5	-	-	1	4	3	-	-	1	2

TABLE M-3

FREQUENCY OF FIRST MARRIAGE* BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURRENCES, 2004

AGE OF GROOM	AGE OF BRIDE										
	TOTAL, ALL AGES	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	3,761	522	1,815	994	284	97	25	14	5	5	-
15-19	192	140	50	2	-	-	-	-	-	-	-
20-24	1,544	322	1,073	137	11	-	1	-	-	-	-
25-29	1,234	50	578	531	64	10	1	-	-	-	-
30-34	539	7	96	255	142	35	4	-	-	-	-
35-39	158	1	14	54	48	35	4	1	-	1	-
40-44	58	2	3	12	16	14	8	3	-	-	-
45-49	19	-	-	3	2	3	5	4	1	1	-
50-54	12	-	-	-	1	-	2	5	3	1	-
55 AND OVER	5	-	1	-	-	-	-	1	1	2	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE M-4

MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1995 - 2004

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			MEDIAN AGE OF GROOM		
	ALL MARRIAGES	FIRST MARRIAGES FOR BRIDES	FIRST MARRIAGES FOR BOTH*	ALL MARRIAGES	FIRST MARRIAGES FOR GROOMS	FIRST MARRIAGES FOR BOTH*
1995	26	23	22	29	25	24
1996	27	23	22	29	25	24
1997	27	23	22	29	25	24
1998	27	23	23	29	25	24
1999	27	23	23	29	26	25
2000	27	23	23	29	26	25
2001	27	23	23	29	25	25
2002	27	23	23	29	26	25
2003	27	24	23	30	26	25
2004	27	24	23	29	26	25

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE MT-1

FREQUENCY OF MARITAL TERMINATION* BY TYPE AND BY LEGAL GROUNDS FOR DECREE MONTANA OCCURRENCES, 2004

TYPES OF MARITAL TERMINATION AND LEGAL GROUNDS	NUMBER
MARITAL TERMINATIONS, TOTAL	3,516
MARRITAL DISSOLUTIONS, TOTAL	3,481
IRRECONCILLABLE DIFFERENCES	3,481
INVALID MARRIAGES, TOTAL	35
LACKED CAPACITY TO CONSENT	11
LACKED PHYSICAL CAPACITY	4
PROHIBITED MARRIAGE	6
NOT STATED	14

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE MT-2

FREQUENCY OF MARITAL TERMINATION* BY AGE OF WIFE AND AGE OF HUSBAND
MONTANA OCCURRENCES, 2004

AGE OF HUSBAND	TOTAL, ALL AGES	AGE OF WIFE									
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATE
TOTAL, ALL AGES	3,516	27	330	486	516	500	537	426	266	254	174
15-19	8	3	3	-	1	1	-	-	-	-	-
20-24	212	21	141	28	8	2	-	-	-	1	11
25-29	406	-	134	213	38	8	2	2	-	-	9
30-34	498	-	31	160	220	52	19	5	2	1	8
35-39	459	-	5	44	144	161	74	17	6	-	8
40-44	527	-	5	20	64	165	194	45	16	5	13
45-49	458	1	2	4	19	71	139	171	29	8	14
50-54	359	-	-	2	6	21	61	112	113	33	11
55 AND OVER	395	-	-	-	2	5	32	64	94	187	11
NOT STATED	194	2	9	15	14	14	16	10	6	19	89

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE MT-3

FREQUENCY OF MARITAL TERMINATION* BY NUMBER
OF MINOR CHILDREN IN THE HOUSEHOLD
AND BY AGE OF WIFE
MONTANA OCCURRENCES, 2004

AGE OF WIFE	TOTAL	NUMBER OF MINOR CHILDREN								
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT
TOTAL, ALL AGES	3,516	2,157	620	525	161	37	11	3	1	1
15-19	27	20	7	-	-	-	-	-	-	-
20-24	330	188	89	42	10	1	-	-	-	-
25-29	486	256	103	100	24	2	1	-	-	-
30-34	516	242	94	129	41	8	2	-	-	-
35-39	500	228	99	112	38	16	6	1	-	-
40-44	537	324	87	85	32	5	2	1	-	1
45-49	426	302	77	36	6	5	-	-	-	-
50-54	266	229	21	10	5	-	-	1	-	-
55-59	146	135	10	1	-	-	-	-	-	-
60-64	57	57	-	-	-	-	-	-	-	-
65-69	35	35	-	-	-	-	-	-	-	-
70-74	13	13	-	-	-	-	-	-	-	-
75 AND OVER	3	3	-	-	-	-	-	-	-	-
NOT STATED	174	125	33	10	5	-	-	-	1	-

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE R-1

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM

2004 COMMUNICABLE DISEASES SUMMARY

Reporting County*	CAMPYLOBACTER	DIPTHERIA	PATHOGENIC E COLI	GIARDIA	HAEMOPHILIS	INFLUENZA B	HEPATITIS A	HEPATITIS B	HEPATITIS C	LEGIONELLA	MEASLES	MENINGO INF	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	2	-	1	-	-	-	-	1	1	-	-	-	1	-	-	-	-	1/4
Big Horn	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Blaine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	
Broadwater	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carbon	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Cascade	1	-	6	6	-	-	-	1	-	2	-	-	16	1	8	-	1	4/164
Chouteau	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	
Custer	2	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2/66
Dawson	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/20
Deer Lodge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fergus	4	-	-	1	-	-	2	-	-	-	-	-	-	-	1	-	-	
Flathead	8	-	-	1-	-	-	1	2	-	-	-	-	6	-	31	1	-	2/47
Gallatin	26	-	6	7	-	-	1	2	-	-	-	-	6	-	8	3	-	1/17
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Glacier	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3	-	3	
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Granite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hill	5	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-	-	
Jefferson	-	-	-	1	-	-	-	-	-	-	-	-	4	-	-	-	1	
Judith Basin	2	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	
Lake	7	-	-	2	-	-	-	1	-	-	-	1	1		48	-	1	1/80
Lewis & Clark	13	-	6	16	-	-	1		1	-	-		2		11	-	1	
Liberty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/10
Lincoln	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Madison	3	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	
McCone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meagher	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mineral	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
Missoula	16	-	2	13	-	-	-	-	-	1	-	1	18	1	39	-	-	
Musselshell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Park	2	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phillips	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	
Pondera	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Powell	6	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	
Prairie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ravalli	2	-	-	3	-	-	-	1	-	-	-	-	13	-	1	-	1	1/36
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Roosevelt	-	-	-	1	-	-	-	1	-	-	-	-	3	-	-	-	-	
Rosebud	-	-	1	-	-	-	-	1	-	-	-	-	-	-	2	-	-	
Sanders	-	-	-	4	-	-	1	-	-	-	-	-	-	-	4	-	-	
Sheridan	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Silver Bow	3	-	1	1	-	-	-	-	-	-	-	-	2	-	3	-	2	1/40
Stillwater	1	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	
Sweet Grass	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1/21
Teton	-	-	-	1	-	-	-	-	-	-	-	-	3	-	2	-	-	
Toole	1	-	-	1	-	-	-	-	-	-	-	-	3	-	-	-	-	
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	
Wheatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wibaux	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yellowstone	23	-	9	6	-	-	-	2	-	-	-	-	1	-	6	-	-	3/76
2004 Total	144	0	32	72	0	8	14	2	3	0	3	84	3	188	4	15		19/569
2003 Total	132	0	28	115	1	6	16	4	4	0	6	6	1	112	2	7		12/398
2002 Total	112	0	38	94	0	13	10	1	4	0	3	10	1	91	4	12		12/193

* "Reporting county" reflects county of residence whenever possible.

The above disease totals reflect the cumulative number of reports received by DPHHS January through December 31, 2004. Each disease is classified by month of event.

While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data are subject to corrections.

TABLE R-2

SEXUALLY TRANSMITTED DISEASES BY COUNTY
2004 SUMMARY

Reporting County*	HIV/AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	-	12	-	-
Big Horn	1	131	2	-
Blaine	-	50	1	-
Broadwater	-	3	-	-
Carbon	-	11	1	-
Carter	-	-	-	-
Cascade	4	325	19	-
Chouteau	-	4	-	-
Custer	-	37	-	-
Daniels	-	-	-	-
Dawson	-	17	-	-
Deer Lodge	-	13	-	-
Fallon	-	1	-	-
Fergus	-	9	-	-
Flathead	-	137	4	1
Gallatin	4	167	3	-
Garfield	-	1	-	-
Glacier	1	178	3	-
Golden Valley	-	-	-	-
Granite	-	-	-	-
Hill	-	126	2	-
Jefferson	1	7	-	-
Judith Basin	-	1	-	-
Lake	-	103	4	-
Lewis & Clark	2	121	3	-
Liberty	-	-	-	-
Lincoln	-	43	-	-
Madison	1	4	-	-
McCone	-	-	-	-
Meagher	-	2	-	-
Mineral	-	4	-	-
Missoula	1	247	8	3
Musselshell	-	3	-	-
Park	-	17	-	-
Petroleum	-	-	-	-
Phillips	-	1	-	-
Pondera	-	20	1	-
Powder River	-	1	-	-
Powell	1	11	-	-
Prairie	-	1	-	-
Ravalli	-	40	-	-
Richland	-	16	-	-
Roosevelt	-	138	1	-
Rosebud	-	69	1	-
Sanders	-	24	3	-
Sheridan	-	2	-	-
Silver Bow	1	65	-	-
Stillwater	-	13	-	-
Sweet Grass	-	5	-	-
Teton	-	1	-	-
Toole	-	20	2	-
Treasure	-	1	-	-
Valley	-	11	-	-
Wheatland	-	1	-	-
Wibaux	-	-	-	-
Yellowstone	4	403	31	-
Other/Out of State	-	-	-	-
2004 Total	21	2617	89	4
2003 Total	29	2525	178	0
2002 Total	32	2509	126	0

* "Reporting county" reflects county of residence whenever possible. Reports are counted as they are received by DPHHS. The above data include all reports received from January through December 31, 2004.

TABLE R-3

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
OTHER DISEASES OF INTEREST: 2004 SUMMARY

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur. All counties reporting at least one case are listed.

Reporting County	AMEBIASIS	ASEPTIC MENINGITIS	BACTERIAL MENINGITIS OTHER	BOTULISM	BRUCELLOSIS (BRUCELLA ABORTUS) TICK	CREUTZFELDT-JAKOB DISEASE	CRYPTOSPORIDIOSIS	CYCLOSPORIASIS	DENGUE FEVER	ANTHRAX ILL	HUS	KAWASAKI SYNDROME	LISTERIA	MALARIA	MEASLES (RUBEOLA)	MUMPS	RELAPSING FEVER	TULAREMIA	WEST NILE	YERSINIOSIS
Beaverhead	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Big Horn	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Blaine	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Carbon	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Carter	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	-	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Chouteau	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custer	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Fallon	-	-	-	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-
Fergus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Flathead	-	3	2	-	-	-	-	-	-	1	-	-	-	-	8	-	-	-	-	1
Gallatin	-	5	-	-	-	-	4	-	2	-	-	-	1	-	1	-	-	-	-	-
Garfield	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Glacier	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Golden Valley	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Hill	-	3	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Lewis & Clark	-	6	-	-	-	-	4	1	-	-	1	2	-	-	-	-	-	-	-	-
Liberty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Lincoln	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Missoula	1	1	1	-	-	-	3	-	-	-	-	-	-	-	-	3	-	-	-	-
Musselshell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Park	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pondera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Powell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Ravalli	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Roosevelt	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rosebud	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Silver Bow	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-
Toole	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Yellowstone	-	6	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004 Total	1	36	13	1	2	3	34	2	2	2	1	2	1	1	25	4	2	6	1	
2003 Total	0	80	12	0	1	1	18	0	0	5	0	1	2	0	23	0	0	228	0	
2002 Total	1	62	6	0	5	1	6	0	0	0	0	1	0	2	19	0	0	1	2	

STATEWIDE REPORTS

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below. Such conditions may include seasonal events such as influenza activity as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT

26 (4.4%) of the 587 specimens submitted during 2004 tested positive for the virus.

Cascade	1 Bat	Gallatin	1 Bat	Musselshell	1 Skunk	Ravalli	1 Bat/1 Skunk
Fallon	1 Horse	Garfield	1 Skunk	Park	1 Skunk	Richland	1 Horse/1 Skunk
Fergus	1 Skunk	Lake	1 Bat	Pondera	1 Horse	Rosebud	2 Bat
Flathead	8 Bats	Mineral	1 Bat	Powell	1 Bat	Wibaux	1 Cat

FOODBORNE/WATERBORNE OUTBREAKS. The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of these reports are summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism, scrombroid) should be considered an outbreak and reported.

OUTBREAKS/EVENTS OF INTEREST

Daniels County. An outbreak of diarrheal illness sickening 13 residents and 7 staff over the course of 2 weeks in a nursing home was reported. The outbreak appears to have been the result of sustained person to person transmission as opposed to a single event or food source. No causative agent identified- testing not performed.

Yellowstone Co. An outbreak of gastroenteritis (assumed to be norovirus) at a swim meet in Idaho sickened 9 of 46 Yellowstone residents attending. An investigation is continuing and at this time it is unclear if the event was associated with the pool or items consumed during the three day event.

A group of Yellowstone Co. swimmers and family members participating in a Idaho swim event became ill with gastroenteritis. Nine local residents were reported to be ill with what appears to be a norovirus. The investigation continues and no specific source has been identified at this time.

June. An outbreak of cyclospora is being investigated. At this time 29 of about 100 interviewed reported a compatible illness. Approximately 6 individuals are confirmed to be positive. The investigation is continuing and at this time a suspect food item has not been identified.

July. An outbreak involving a day care center has resulted in approximately 47 of 60 ill. Campylobacter and/or E. coli O157 have been confirmed in 16 cases. The investigation has implicated contaminated produce as a suspect.

Flathead Co. An outbreak of salmonella involving a houseparty has resulted in approximately 18 cases of illness. Ill individuals attended a party, food handling and possible ill food handlers were implicated in the outbreak.

December. An outbreak sickened 20 or 26 individuals attending a party with privately prepared food. A norovirus-like illness was suspected.

Cascade Co: An outbreak associated with a small multi-state convention is being investigated. At this time it appears to be a viral gastroenteritis outbreak sickening approximately 40% of the 126 attending. Tests for norovirus were positive on the three samples submitted.

June. An outbreak of gastroenteritis sickening 24 residents and 10 staff lasting approximately one week was reported in a long-term care facility. Illnesses were reported to consist of diarrhea & vomiting and lasting a few days. Bacterial cultures and a small number of stools tested for Norovirus were negative.

May. An outbreak of gastroenteritis sickening 45-55 residents and staff lasting was reported in an assisted living facility long-term care facility over a 7 to 10 day period. Illnesses were reported to consist of diarrhea & vomiting lasting one to two days. Specimens submitted tested positive for Norovirus.

December. A suspected norovirus illness sickened approximately 20 residents of a retirement home. Samples pending for norovirus testing, no definitive source of exposure identified.

Lake Co. August/September. A Salmonella B outbreak associated with Lake Co. has been ongoing. Approximately 60 cases (culture positive and/or epi linked) have been identified at this time. At this time, additional cases are under investigation as improvements are being made to a water system of a local establishment.

Liberty Co. A number of diarrhea cases among community members recently confirmed to be Norovirus related. 8-10 cases were reported, no significant clusters noted among the individuals other than residence in the area.

Dawson Co. An outbreak of gastroenteritis among people attending a camp sickened approximately 20 of a group. No cause identified and investigation continues. At this time it is unclear whether it is foodborne, waterborne or person to person spread.

Gallatin Co. September- An outbreak of gastroenteritis in a long-term care facility was investigated and approximately 17 were ill. No causative agent was identified.

Silver Bow Co. October- A gastroenteritis outbreak sickened 40 of 46 individuals attending a local conference. Investigation found no concerns at the establishment and a few individuals were ill prior to the event.

Sweet Grass. September-An outbreak of gastroenteritis sickened approximately 21 individuals attending a sports related potluck. No causative agent was identified.

Ravalli Co., December- A suspected Norovirus outbreak sickened 35 of 70 attending a local banquet. An investigation implicated fresh fruit prepared by the caterer as a potential vector. No clinical samples were taken in what appeared to be a self limiting illness.

Beaverhead Co. December- Four members of a group of visitors developed gastroenteritis after visiting the area for two days. Local investigation identified several cases of mild gastroenteritis in the area and no specific exposure was implicated.

Daniels Co.: An outbreak in a long-term care facility sickened 26 of 30 residents and 20 staff members. Suspected norovirus with specimens pending. No definitive source, possible point source and subsequent person to person spread suspected.

For more information on disease reporting, including how and what to report, contact your local health dept or Jim Murphy at (406) 444-0274 or by E-mail at jmurphy@state.mt.us. This information is also available at www.dphhs.state.mt.us/hpsd/.

TABLE C-1
REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
MONTANA RESIDENTS, 1995-2004 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2005
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	23,680	21,766	45,446
Buccal Cavity and Pharynx	681	298	979
Lip	154	31	185
Tongue	141	74	215
Major Salivary gland	61	45	106
Floor of Mouth	42	21	63
Gum & Other Mouth	64	56	120
Nasopharynx	23	11	34
Tonsil	107	27	134
Oropharynx	30	9	39
Hypopharynx	44	16	60
Pharynx	15	8	23
Digestive System	4,178	3,471	7,649
Esophagus	327	86	413
Stomach	400	200	600
Small Intestine	88	63	151
Colon	1,692	1,780	3,472
Rectum & Rectosigmoid	814	508	1,322
Anus & Anocanal	46	66	112
Liver	193	116	309
Gallbladder	31	62	93
Other Biliary	64	63	127
Pancreas	486	453	939
Retroperitoneum	15	16	31
Peritoneum	5	46	51
Other Digestive Organs	17	12	29
Respiratory System	3,893	2,938	6,831
Nasal Cavity & Sinuses	34	28	62
Larynx	291	82	373
Lung & Bronchus	3,552	2,819	6,371
Trachea & Pleura	16	9	25
Bones & Joints	50	40	90
Soft Tissue	112	114	226
Melanoma	713	547	1,260
Breast	37	7,669	7,706
Eye	47	34	81

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
Female Genital System	---	2,402	2,402
Cervix	---	381	381
Uterus	---	1,146	1,146
Ovary	---	719	719
Vagina	---	34	34
Vulva	---	100	100
Other Female Genital Organs	---	22	22
Male Genital System	8,091	---	8,091
Prostate	7,784	---	7,784
Testis	257	---	257
Penis	42	---	42
Other Male Genital Organs	8	---	8
Urinary System	2,358	922	3,280
Bladder	1,639	501	2,140
Kidney & Renal Pelvis	664	394	1,058
Ureter	44	21	65
Other Urinary Organs	11	6	17
Brain & Other Nervous System	373	307	680
Brain	358	298	656
Other Nervous System	15	9	24
Endocrine System	217	635	852
Thyroid Gland	193	597	790
Other Endocrine	24	38	62
Lymphoma*	1,088	911	1,999
Hodgkin Disease	138	115	253
Non-Hodgkin Lymphoma	950	796	1,746
Multiple Myeloma	298	215	513
Leukemia	652	453	1,105
Acute Lymphocytic	19	15	34
Chronic Lymphocytic	252	165	417
Acute Myeloid	194	156	350
Chronic Myeloid	87	49	136
Other Leukemia	100	68	168
Unknown and Ill-defined Sites	892	810	1,702

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

TABLE C-2
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 1995-2004 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2005
MONTANA CENTRAL TUMOR REGISTRY

AGE AT DIAGNOSIS	PRIMARY CANCER SITES																							
	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	---	-	-	-	-	-	-	-	-	-	-	---	-	1	2	---	-	-	1	54	53	55	56
5-9	-	---	-	-	-	-	-	-	-	-	-	-	---	-	5	1	---	1	-	-	37	26	42	28
10-14	-	---	-	1	-	1	-	-	-	-	-	-	---	-	12	13	---	1	-	-	30	22	42	38
15-19	-	---	-	-	2	1	1	-	-	2	-	1	---	-	15	20	---	3	-	-	63	49	81	76
20-24	-	---	-	1	-	1	1	1	1	-	1	-	---	2	25	18	---	8	-	-	77	72	105	103
25-29	-	---	-	18	1	2	4	2	2	1	2	-	---	1	23	18	---	3	-	1	92	121	124	167
30-34	1	---	-	71	5	1	7	7	-	5	1	1	---	5	26	22	---	11	-	1	131	164	171	288
35-39	-	---	-	228	12	9	14	12	9	6	15	1	---	20	39	20	---	12	4	1	190	235	283	544
40-44	28	---	-	524	24	39	28	25	24	16	17	6	---	40	53	31	---	27	4	5	242	312	420	1,025
45-49	126	---	1	796	72	60	42	48	36	28	47	17	---	54	73	42	---	65	17	12	387	344	801	1,466
50-54	423	---	4	912	174	119	92	71	68	36	61	20	---	108	68	53	---	83	29	27	529	360	1,448	1,789
55-59	822	---	5	871	256	219	105	116	80	35	120	35	---	143	92	73	---	71	39	22	592	363	2,111	1,948
60-64	1,134	---	3	791	431	357	175	140	115	53	173	54	---	141	97	94	---	76	54	50	660	381	2,842	2,137
65-69	1,527	---	6	880	569	466	236	206	112	70	227	62	---	172	108	86	---	80	70	62	782	490	3,637	2,574
70-74	1,552	---	6	830	698	533	272	264	134	69	281	81	---	153	131	120	---	72	69	56	847	535	3,990	2,713
75-79	1,115	---	6	753	669	502	291	283	102	70	287	88	---	128	142	117	---	72	83	68	820	588	3,515	2,669
80-84	606	---	4	577	390	307	245	292	82	55	236	65	---	91	109	95	---	75	72	66	594	567	2,338	2,190
85+	450	---	2	416	249	202	179	313	49	62	171	70	---	88	69	86	---	59	45	81	461	578	1,675	1,955
TOTAL	7,784	---	37	7,669	3,552	2,819	1,692	1,780	814	508	1,639	501	---	1,146	1,088	911	---	719	486	453	6,588	5,260	23,680	21,766

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-3
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 1995-2004 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2005
MONTANA CENTRAL TUMOR REGISTRY

COUNTY OF RESIDENCE	PRIMARY CANCER SITES																							
	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	90	---	-	66	32	38	19	16	9	2	17	4	---	14	9	11	---	8	5	4	64	52	245	215
Big Horn	76	---	-	74	42	29	17	14	8	5	19	4	---	8	8	7	---	8	4	8	72	64	246	221
Blaine	72	---	-	57	21	25	15	12	9	4	9	3	---	11	3	6	---	6	5	3	40	28	174	155
Broadwater	42	---	-	41	26	22	8	9	5	4	7	4	---	10	7	7	---	5	3	1	29	18	127	121
Carbon	98	---	-	67	44	32	19	21	11	12	17	9	---	11	14	15	---	15	3	5	83	63	289	250
Carter	19	---	-	7	5	3	6	5	2	-	3	2	---	3	3	-	---	-	-	1	6	4	44	25
Cascade	774	---	4	839	343	280	149	166	83	52	140	40	---	130	80	89	---	59	34	35	597	516	2,204	2,206
Chouteau	57	---	-	71	20	18	15	20	8	6	12	6	---	11	9	9	---	4	7	2	45	28	173	175
Custer	120	---	-	91	68	56	38	35	16	2	24	6	---	17	14	9	---	11	9	14	96	79	385	320
Daniels	23	---	-	16	11	10	7	5	4	3	3	1	---	3	3	2	---	2	1	-	18	14	70	56
Dawson	89	---	2	74	46	37	18	28	13	7	21	8	---	15	11	11	---	8	5	3	82	58	287	249
Deer Lodge	130	---	1	86	54	46	24	34	12	5	22	6	---	14	15	13	---	6	5	4	89	70	352	284
Fallon	33	---	-	21	13	7	6	8	7	1	5	3	---	2	3	3	---	-	-	1	25	15	92	61
Fergus	175	---	-	127	65	57	37	36	16	22	30	8	---	23	23	23	---	17	11	12	133	94	490	419
Flathead	597	---	1	664	272	224	137	142	61	36	112	32	---	102	96	78	---	68	54	41	481	402	1,811	1,789
Gallatin	346	---	4	489	124	99	65	91	38	25	86	27	---	59	63	40	---	45	28	20	343	318	1,097	1,213
Garfield	15	---	-	9	3	1	5	2	1	-	2	-	---	2	3	4	---	1	1	2	10	6	40	27
Glacier	64	---	-	92	43	39	26	22	13	3	10	1	---	12	11	11	---	-	3	4	62	70	232	254
Golden Valley	14	---	-	10	9	3	3	1	2	-	8	-	---	5	-	3	---	4	-	-	12	5	48	31
Granite	29	---	-	20	16	10	3	8	3	-	6	1	---	3	6	1	---	2	2	3	26	10	91	58
Hill	147	---	2	142	67	61	55	35	11	10	28	11	---	30	11	14	---	12	10	7	112	94	443	416
Jefferson	81	---	-	76	39	19	18	10	11	4	21	4	---	10	11	8	---	11	3	7	72	42	256	191
Judith Basin	38	---	-	16	14	5	6	4	2	2	3	1	---	2	2	2	---	1	1	1	20	16	86	50
Lake	207	---	1	179	115	77	53	53	32	16	38	16	---	40	36	19	---	22	16	12	209	137	707	571
Lewis & Clark	440	---	2	511	197	183	93	99	43	41	96	38	---	69	73	56	---	48	19	30	388	308	1,351	1,383
Liberty	31	---	-	27	5	6	6	7	1	2	2	3	---	6	4	2	---	1	-	3	22	19	71	76
Lincoln	165	---	2	204	120	77	38	45	16	9	52	13	---	25	29	26	---	21	13	4	149	119	584	543
McCone	20	---	-	14	3	2	3	11	4	1	4	1	---	2	5	1	---	-	3	2	14	8	56	42
Madison	77	---	1	63	28	16	8	9	5	3	13	4	---	9	5	9	---	5	-	5	57	43	194	166
Meagher	14	---	-	10	11	12	4	4	7	1	6	1	---	3	4	1	---	-	-	3	21	8	67	43
Mineral	40	---	-	27	29	16	5	8	4	1	11	4	---	6	6	2	---	3	5	4	37	18	137	89
Missoula	578	---	2	787	267	234	125	131	49	45	139	53	---	91	82	95	---	70	40	36	562	464	1,844	2,006
Musselshell	55	---	-	54	23	26	7	11	5	3	10	3	---	8	7	6	---	4	2	2	46	38	155	155
Park	118	---	2	132	61	57	29	35	17	9	34	9	---	21	29	14	---	18	4	10	113	102	407	407
Petroleum	5	---	-	4	2	1	1	2	1	1	2	1	---	1	1	-	---	-	1	1	1	6	14	17
Phillips	59	---	-	45	18	21	12	18	9	3	11	2	---	7	7	6	---	3	3	4	49	31	168	140
Pondera	76	---	-	55	24	23	15	9	8	4	12	1	---	12	6	14	---	5	5	8	61	53	207	184
Powder River	18	---	-	15	8	3	2	2	3	-	5	-	---	2	3	3	---	-	4	2	12	4	55	31
Powell	79	---	-	46	42	24	13	12	1	5	20	5	---	12	8	10	---	3	7	5	76	42	246	164
Prairie	25	---	-	13	7	2	4	4	1	1	7	-	---	4	4	4	---	-	2	1	17	12	67	41
Ravalli	368	---	2	290	158	110	70	83	23	22	87	21	---	39	44	36	---	30	22	16	268	217	1,042	864
Richland	48	---	-	79	64	28	15	18	11	4	13	4	---	5	14	9	---	6	5	8	73	53	243	214
Roosevelt	59	---	-	81	41	29	13	24	8	8	9	1	---	3	5	9	---	10	2	3	79	50	216	218
Rosebud	64	---	-	53	44	20	17	11	11	4	11	3	---	6	5	9	---	6	4	5	67	44	223	161
Sanders	121	---	1	93	66	34	24	20	8	7	24	7	---	12	20	12	---	11	11	6	110	64	385	266
Sheridan	35	---	1	31	24	19	11	5	9	5	11	-	---	5	6	10	---	6	3	1	32	43	132	125
Silver Bow	332	---	1	268	175	132	92	95	33	18	85	31	---	47	33	33	---	33	22	16	282	228	1,055	901
Stillwater	103	---	-	68	32	21	16	17	13	2	15	3	---	10	11	7	---	8	6	7	88	53	284	196
Sweet Grass	46	---	-	31	12	13	9	10	4	2	9	3	---	3	6	7	---	2	1	1	25	21	112	93
Teton	79	---	-	79	20	19	23	15	5	1	12	6	---	14	10	4	---	6	4	4	40	37	193	185
Toole	46	---	1	35	21	19	13	9	9	3	9	4	---	10	8	4	---	1	3	3	46	26	156	114
Treasure	11	---	-	8	4	4	3	1	3	1	2	1	---	1	4	3	---	-	-	1	2	7	29	27
Valley	107	---	-	71	47	28	28	24	14	4	24	2	---	23	17	12	---	9	10	6	97	64	344	243
Wheatland	35	---	-	27	5	8	6	2	3	1	5	-	---	1	-	-	---	1	1	2	26	11	81	53
Wibaux	14	---	-	4	1	3	3	3	3	1	3	-	---	2	3	-	---	1	-	1	7	9	34	24
Yellowstone	1,175	---	7	1,109	500	430	235	258	106	74	251	80	---	150	187	120	---	93	74	63	993	852	3,528	3,229
Unknown	5	---	-	1	1	1	-	1	-	1	2	-	---	-	1	2	---	-	-	-	2	3	11	9
TOTAL	7,784	---	37	7,669	3,552	2,819	1,692	1,780	814	508	1,639	501	---	1,146	1,088	911	---	719	486	453	6,588	5,260	23,680	21,766

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

OFFICE OF VITAL STATISTICS

The Office of Vital Statistics has published Montana Vital Statistics reports since 1954. Single copies of this publication are available without charge as long as the supply lasts. Copies of previous years' publications are available depending on supply. Most years' supplies have been exhausted; reference copies of those reports are available in this office, at the Montana State Library, and a number of the larger county and University System libraries around the state. Photocopies of specific tables or text from any report will be supplied on request, as time permits. Inquiries should be directed to the Research Specialist of the Office of Vital Statistics, Montana Department of Public Health and Human Services, at the address, telephone number, or e-mail address shown below.

As time permits, additional tabulations can be produced to satisfy individual requests. Uncomplicated tabulations can usually be produced without cost to the requester. In some cases, the requester may be asked to reimburse the department for production costs. Tabulations requiring extensive computer processing may require reimbursement for staff time and computer programming charges. The production of special tabulations is subject to the availability of personnel. Tables in this report and additional tabulations can be found on our web site:

http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml.

The Office of Vital Statistics can only honor requests for information that do not violate the confidentiality requirements of federal or state law or regulations of the Montana Department of Public Health and Human Services. However, confidentiality is not usually a concern in statistical reports or tables where individuals or institutions are not identified. Our address is:

Office of Vital Statistics
Montana Department of Public Health and Human Services
DPHHS Building, Room 205
P. O. Box 4210
Helena, Montana 59604-4210

Telephone: (406) 444-4228 (main Vital Statistics number)
(406) 444-1756 (Research Specialist)
Fax: (406) 444-1803
e-mail: bschwartz@mt.gov

STATE DOCUMENTS COLLECTION

MAR 09 2006

MONTANA STATE LIBRARY
1515 E. 6th AVE.
HELENA, MONTANA 59620

650 copies of this public document were published at an estimated cost of $5.78 per copy, for a total cost of $3,757.00, which includes $3,757.00 for printing and $.00 for distribution.